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EXCAVATIONS AT HARAPPĀ

BEING AN ACCOUNT OF ARCHÆOLOGICAL EXCAVATIONS AT HARAPPĀ CARRIED OUT BETWEEN THE YEARS 1920-21 AND 1933-34

BY

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PLATE II.



(*a*) PART OF MOUND AB WITH THE TOMB OF NAUGAZA, FROM NORTH-EAST.



(*b*) WEST SIDE OF MOUND AB WITH MOUND F IN THE BACKGROUND, LOOKING NORTH.



(*c*) ARCHÆOLOGICAL CAMP AND MUSEUM, FROM NORTH-EAST.



(*d*) NORTH-EAST SPUR OF MOUND AB SHOWING MUD BRICK TERRACING.

MOUND F, GREAT GRANARY AREA. PLATE IV.



(*a*) The Great Granary, panoramic view, looking south.



(*b*) The Great Granary, panoramic view, looking east.



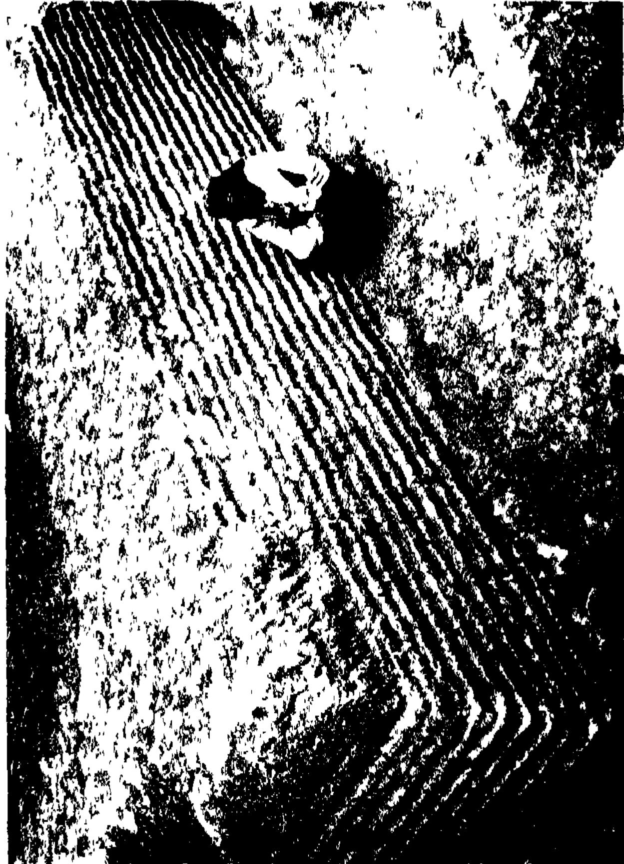
(a) THE GREAT GRANARY, FROM SOUTH-WEST.



(b) NARROW TRENCH SHOWING A SECTION OF THE RETAINING WALL TO EAST OF THE GREAT GRANARY, LOOKING SOUTH.



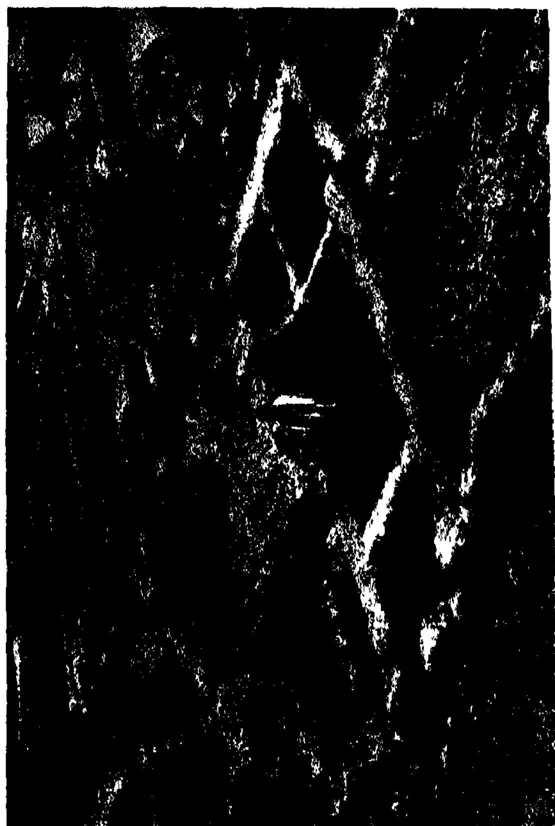
(c) FLIGHT OF STEPS IN THE CENTRAL AISLE ABUTTING AGAINST THE WESTERN BLOCK OF THE GREAT GRANARY.



(d) RETAINING WALL OF THE GREAT GRANARY, FROM SOUTH-WEST.



(*a*) EXTENSION TO WEST OF THE GREAT GRANARY, LOOKING NORTH.



(*b*) HOUSE 1 TO WEST OF THE GREAT GRANARY, FROM SOUTH-WEST.



(*c*) EXTENSION TO EAST OF THE GREAT GRANARY, FROM NORTH-WEST.



(*d*) EXTENSION TO WEST OF THE GREAT GRANARY, SHOWING EARTHENWARE JARS *in situ* AND WORK IN PROGRESS FROM SOUTH-EAST-SOUTH.



(*a*) EARTHENWARE JAR OF STRATUM V FILLED WITH TRIANGULAR TERRACOTTA CAKES.



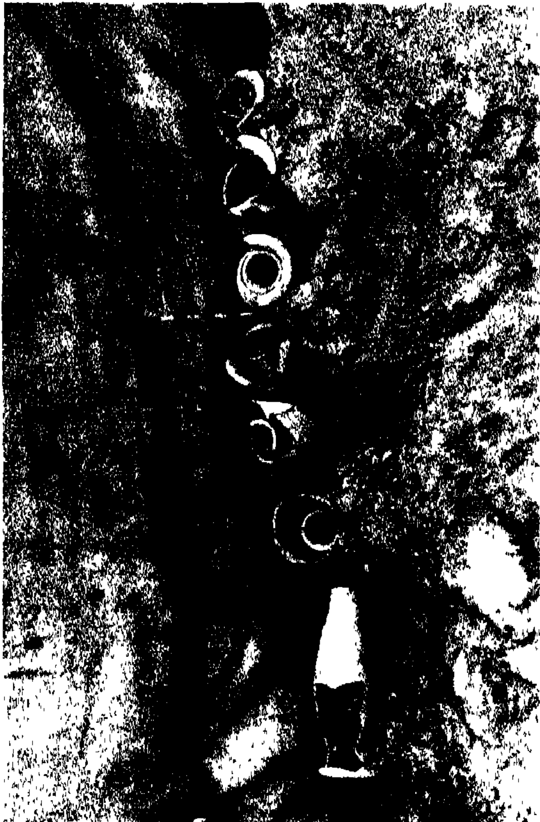
(*b*) POTTERY GROUP OF STRATUM II *in situ*



(*c*) EARTHENWARE JAR NO. 3760 *in situ.*



(*d*) POTTERY GROUPS NOS. 7338 TO 7340 AND 7360 *in situ.*



(*e*) A LINE OF SEVEN LONG OVAL VASES *in situ* CONTAINING SMALL CYLINDRICAL VASES.



(*a*) General view of Trench Af from north-west.



(*b*) Drain and sink in Trench Ae.



(*c*) Lingam *in situ* in Trench Ai.



(*d*) Brick-on-edge pavement of stratum I in Trench Ae.



(a) WORKMEN'S QUARTERS, LANE II BETWEEN BLOCKS I AND II, LOOKING WEST



(b) WORKMEN'S QUARTERS, LANE I WITH BLOCK II TO RIGHT, FROM WEST



(c) NORTHERN PORTION SHOWING CIRCULAR BRICK-ON-EDGE PLATFORMS NOS. 1 TO 3, FROM SOUTH-EAST.



(d) NORTHERN END SHOWING THE FIND-SPOT OF SEALS, BEADS ETC., FROM EAST.



(a) Workmen's Quarters, Houses 3 and 5 with Lane V between them from south.



(b) Workmen's Quarters, partial view of Blocks I and II with Trench V in the background, from south-west.



(c) General view from north.



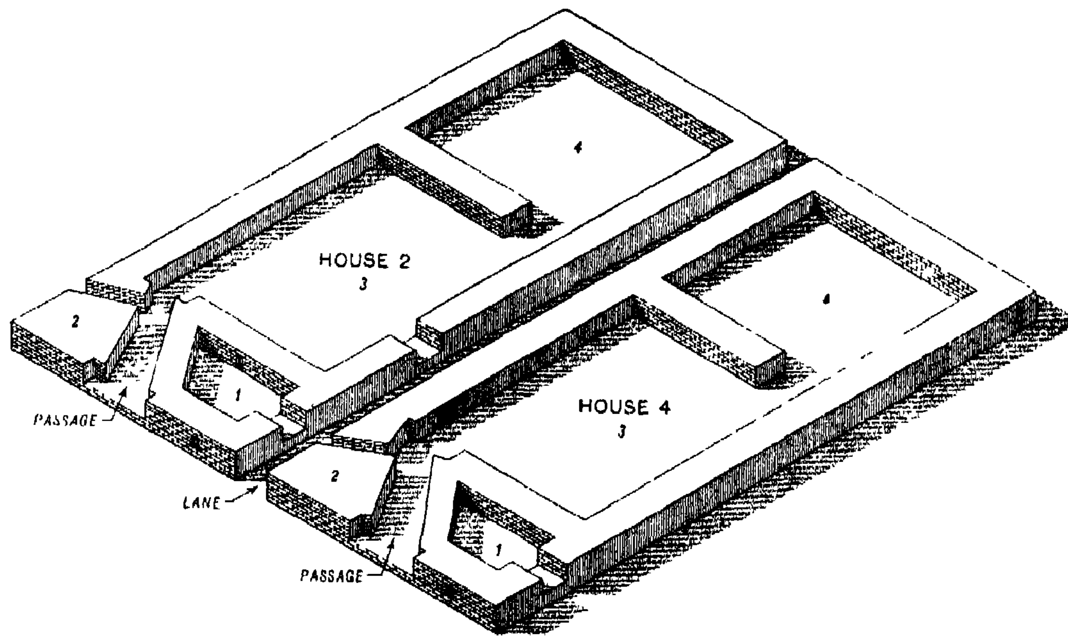
(d) Workmen's Quarters, partial view showing quadrilateral-shaped rooms in Blocks I and II, from north-west.



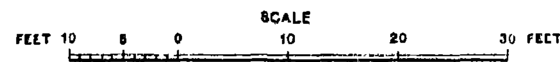
(a) Panoramic View of Trenches IV and V with Workmen's Quarters to Left from East

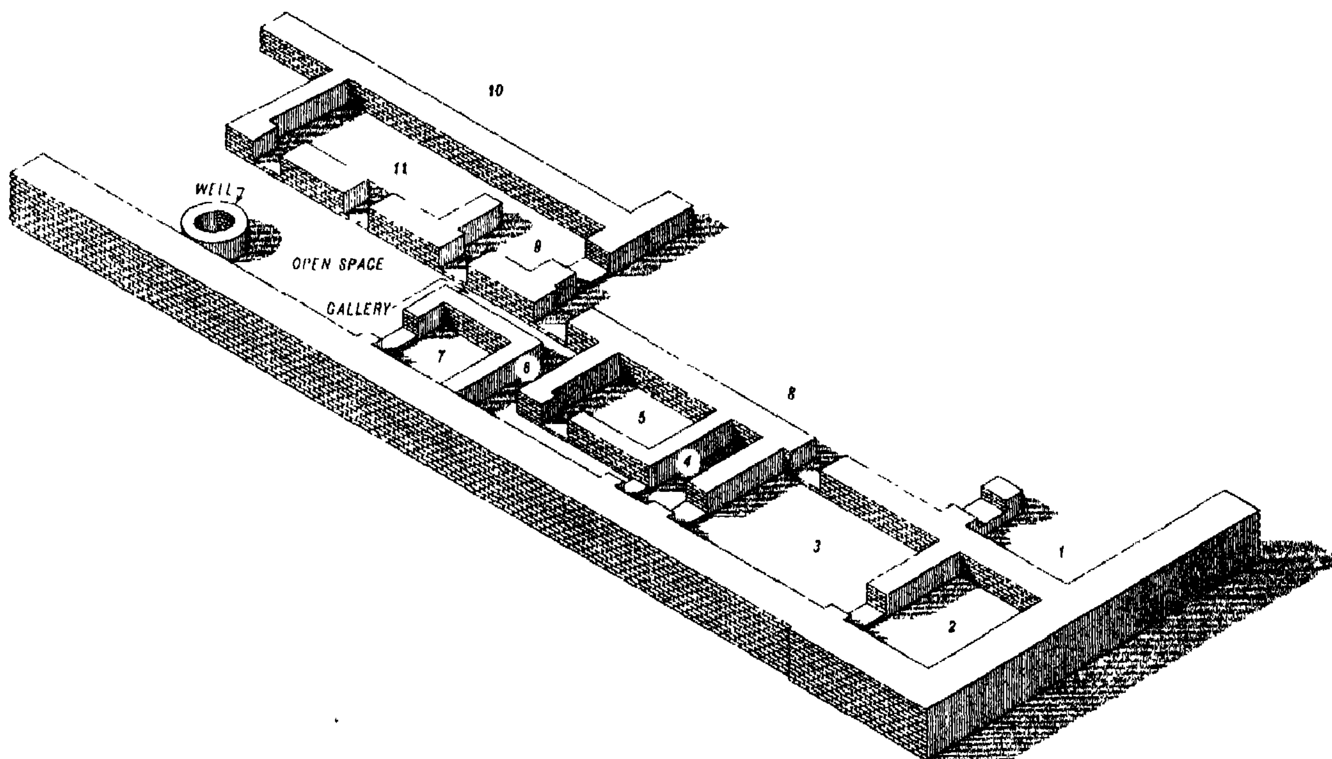


(b) Panoramic View of Trenches IV and V with Workmen's Quarters to Right, from West

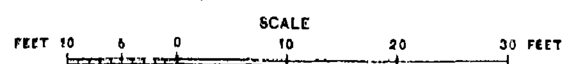


a MOUND F, TRENCH IV, WORKMEN'S QUARTERS. ISOMETRIC PROJECTION OF HOUSES 2 & 4





b. MOUND F, TRENCH VI, ISOMETRIC PROJECTION OF HOUSE 1





(*b*) TRENCH V. BOVINE BONES AND COPPER SPEAR-HEAD No. 10008 BELOW A WALL OF STRATUM IV IN SQ. J 12/25.



(*d*) TRENCH V. WELL WITH PAVEMENT AND WATER JARS, FROM NORTH-WEST.



(*a*) TRENCH IV. DEEP DIGGING SHOWING SEVERAL LAYERS OF NODULES.



(*c*) TRENCH V. GENERAL VIEW, LOOKING EAST.



(*a*) FURNACE Fa WITH A PART OF THE ROOF VAULT LYING INSIDE.



(*b*) FURNACE Fa SHOWING FLUES IN THE VAULT AFTER CLEARANCE.



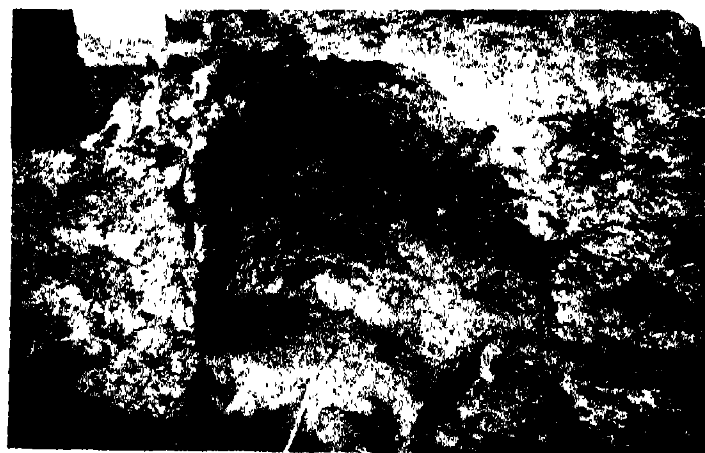
(*c*) FURNACE Fj.



(*d*) FURNACE Fc WITH DIVIDING WALL INSIDE



(*e*) PAVED CIRCULAR MANGER LINED WITH BRICK-ON-EDGE.



(*f*) FURNACE Ff.



(*a*) TRENCH V. PART OF A DRAIN WITH LIME PLASTER IN SQ. J 12/9.



(*b*) TRENCH V. DEEP DIGGING AT THE EASTERN END SHOWING BROKEN POTTERY.



(*c*) TRENCH V. GOBLETS WITH POINTED BASES *in situ* IN SQ. J 12/15.



(*d*) TRENCH IV. *Deg*-SHAPED LARGE POTTERY VESSEL COVERED BY A WALL OF STRATUM III IN SQ. I 11/10.



(*e*) TRENCH IV. FURNACE Fd.



(*f*) TRENCH IV. FURNACE Fg.



(*g*) TRENCH IV. LARGE POTTERY VESSEL SHAPED LIKE A GOBLET WITH POINTED BASE IN SQ. I 12/7.



(*a*) GENERAL VIEW FROM NORTH-WEST-NORTH.



(*b*) GENERAL VIEW FROM SOUTH-EAST-SOUTH.



(*c*) VIEW OF THE CENTRAL SECTION SHOWING STRATA I TO VI FROM NORTH-WEST.



(*d*) DETAIL VIEW OF MUD HUTS AT THE SOUTHERN END.



(a) VIEW OF THE NORTHERN SECTION, FROM SOUTH-WEST



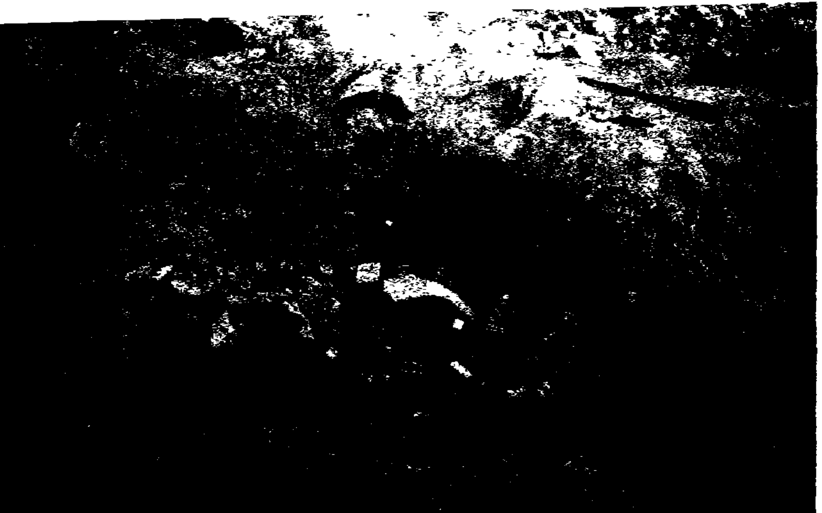
(b) DEEP DIGGING AND THE NORTHERN SECTION SHOWING LIGHT STRATA OF OCCUPATION, FROM SOUTH-WEST.



(c) CRUSHED POTTERY LYING AGAINST A WALL OF STRATUM V IN SQ. M 11/11.



(d) CENTRAL SECTION SHOWING A FINE RECTANGULAR PAVEMENT OF STRATUM V



(*a*) CENTRAL SECTION. SEALS, WEIGHTS ETC OF STRATUM IV *in situ*.



(*b*) CENTRAL SECTION. COPPER JAR NO. 277 OF STRATUM III *in situ*.



(*c*) WESTERN CUTTING OF THE DEEP DIGGING SHOWING COMPRESSED LAYERS OF GREEN EARTH PRECEDED AND FOLLOWED BY SOFT WHITE SOIL.



(*d*) EASTERN PART OF THE DEEP DIGGING SHOWING BOVINE BONES INCLUDING FOREPART OF A SKULL.



(*a*) Northern Section, pottery jars 1033 A and B besides a broken pavement of Stratum III.



(*b*) Northern Section, post-cremation urn No. 3686 in Sq. M 10/15 with a human tibia inside.



(*c*) Southern Section showing two rectangular hearths of Stratum IV and circular mangers of Stratum V in Sq. M 12/10



(*d*) Partial view of pottery in Sq. M 12/17.

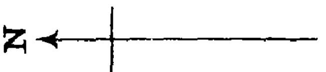


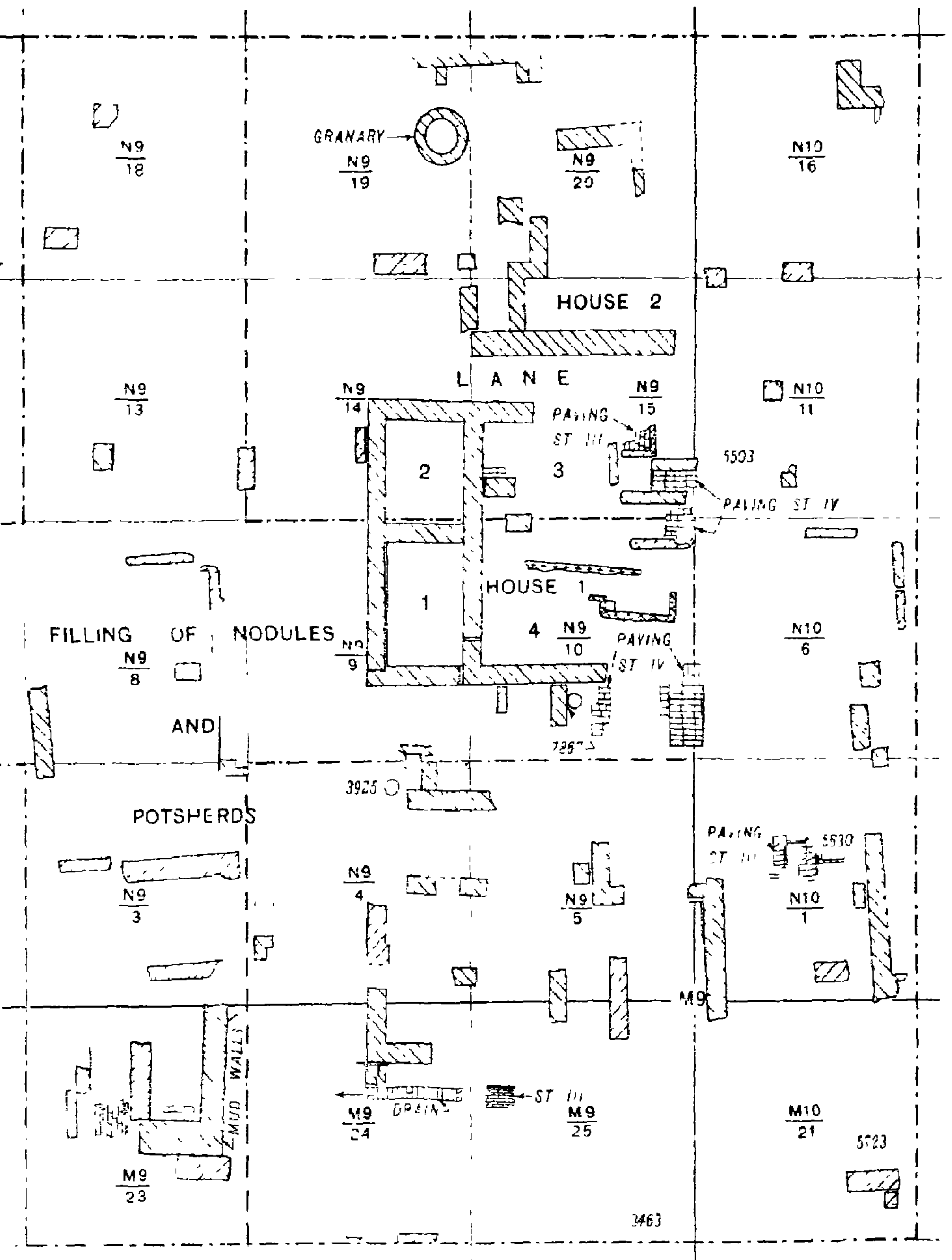
(*e*) Inscribed jar and jar-stands of Stratum VI in Sq. M 12/6

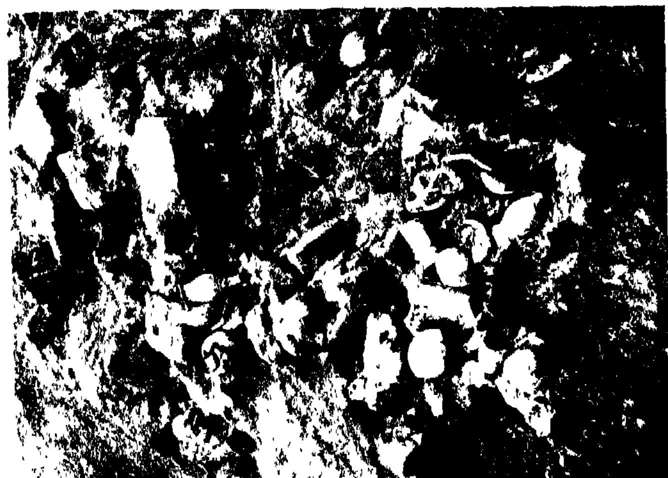


(*f*) Broad and shallow trough of Stratum VI in Sq. M 11/13.


HARAPPA


MOUND F
TRENCH III
SCALE


FEET 10 0 10 20 30 40 FEET
N
GRANARY
HOUSE 2
LANE
HOUSE 1
PAVING ST III
PAVING ST IV
FILLING OF NODULES AND POTSHERDS
MUD WALLS
DRAIN
ST I
ST V
ST III
N9 18
N9 19
N9 20
N10 16
N9 13
N9 14
N9 15
N10 11
N9 6
N9 7
N9 8
N9 9
N9 10
N10 6
N9 3
N9 4
N9 5
N10 1
M9 23
M9 24
M9 25
M10 21
M9
5503
5530
5723
3925
3463
REFERENCES
STRATUM I
DO II
DO III
DO IV
STRATUM V
DO VI
DO VII
ST = STRATUM



(b) TRENCH III. GROUP OF POLYCHROME AND OTHER POTTERY No. 5723 *in situ*.



(d) TRENCH III. CONTENTS OF A POST-CREMATION URN LYING IN THE LANE BETWEEN HOUSES 1 AND 2.



(a) TRENCH III. PARTIAL VIEW OF HOUSES 1 AND 2 OF STRATUM IV, FROM SOUTH-WEST.



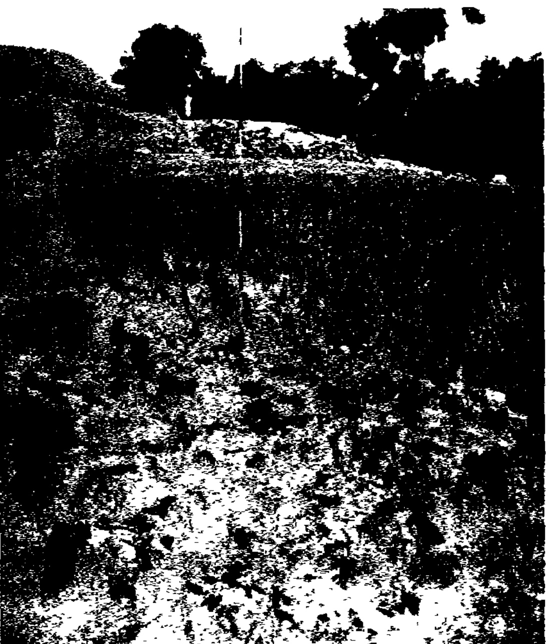
(c) TRENCH VI. BOVINE BONES AND POTTERY IN SINK I IN SQ. P 10 c.



(a) EASTERN PART OF HOUSE I OF STRATUM IV, FROM NORTH-WEST.



(b) WESTERN PART SHOWING IN THE FOREGROUND JAR-STANDS EMBEDDED IN A LARGE PAVEMENT, LOOKING NORTH.



(c) BURIAL AND NON-BURIAL TYPES OF POTSHERDS MIXED WITH BOVINE BONES AND BRICKBATS IN SQUARES P 10,11 AND P 9,15.



(d) ALTERNATE COURSES OF MUD AND BURNT BRICKS IN THE OUTER WALLS OF ROOM 1, HOUSE 2, FROM NORTH-EAST.



(b) EXTENSION I, BACK PART OF A HOUSE BURIED UNDER FILLDS, FROM NORTH-WEST



(d) LANE TO THE EAST OF HOUSES 1 AND 2 BLOCKED BY LATER WALLS, FROM SOUTH



(a) EASTERN PART OF HOUSE 1 OF STRATUM IV AND OTHER STRUCTURES, FROM NORTH-EAST.



(c) EARTHENWARE JARS OF STRATA I TO III IN THE SOUTHERN PART OF THE NORTHERN SECTION, LOOKING WEST.



(a) GENERAL VIEW SHOWING MULTIPLE STRATA, FROM SOUTH-WEST



(b) RECTANGULAR PAVEMENT WITH BRICK EDGING IN TWO PARTS



(c) HEAP OF ANIMAL BONES OF STRATUM IV FOUND IN THE CENTRE OF THE TRENCH.



(d) GENERAL VIEW FROM EAST-SOUTH-EAST.



(*a*) GENERAL VIEW SHOWING FRAGMENTARY NATURE OF THE REMAINS, FROM SOUTH-EAST



(*b*) EASTERN PART SHOWING PAVEMENTS, GABLE ROOFED DRAIN ACROSS THE CENTRE AND SHED OVER BURIAL NO. 5440 IN THE BACKGROUND, FROM NORTH-WEST-NORTH



(*c*) LARGE DRAIN OF STRATUM V WITH A GABLE ROOFED DRAIN ABOVE, FROM EAST.



(*d*) GENERAL VIEW SHOWING A DILAPIDATED PAVEMENT AND FRAGMENTARY REMAINS, LOOKING EAST.



(a) SPILL WATER JARS ENCLOSED BY BRICK RESERVOIRS EMBEDDED ALONG THE WESTERN END OF A GABLE ROOFED DRAIN OF STRATUM IV FROM NORTH-EAST.



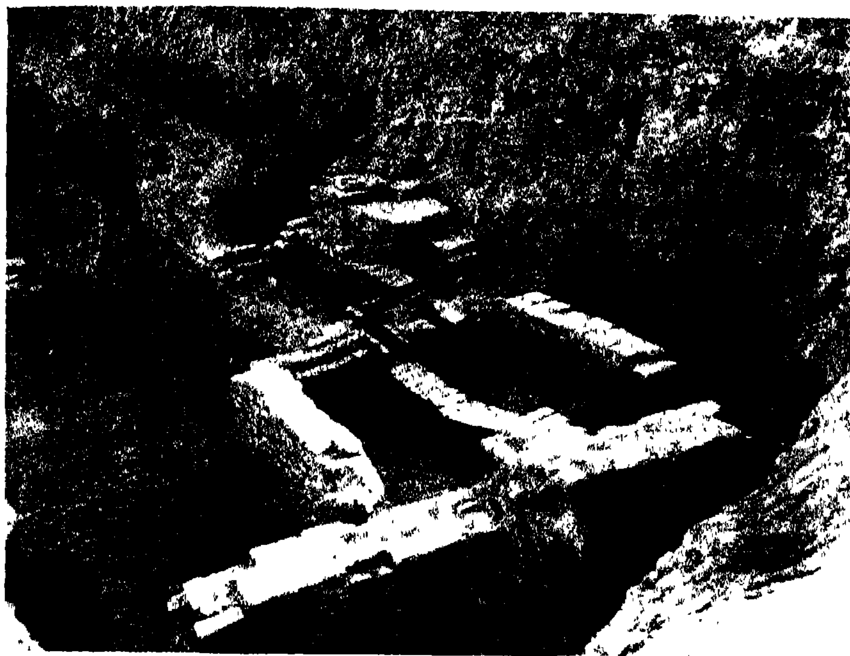
(b) HOUSE 1 OF STRATUM III CONSTRUCTED AGAINST AN EXISTING WALL OF STRATUM IV FROM SOUTH-EAST.



(c) SAUCER-SHAPED DEPRESSION OF STRATUM III WITH FILMY COATING OF FULLER'S EARTH



(d) ENCLOSURE SHOWING FRACTIONAL BURIAL No. 5440, FROM NORTH-WEST.



(*a*) PIT IV. REMAINS OF A ROOM AND DRAIN OF STRATUM IV WITH A LATER PAVEMENT IN THE BACKGROUND, FROM SOUTH-WEST.



(*b*) EXTENSION OF PITS I AND II. POST-CREMATION TROUGH NO. 3868 CONTAINING A TORTOISE SHELL, POTTERY, ETC.



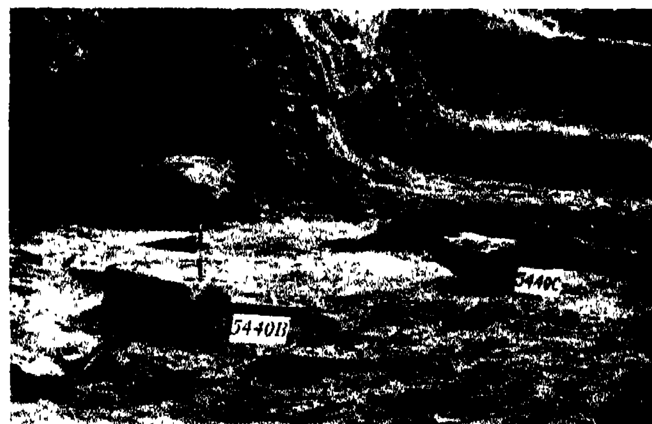
(*c*) DRAINAGE JARS ENCLOSED IN BRICK RESERVOIRS EMBEDDED ALONG THE WESTERN END OF THE GABLE ROOFED DRAIN OF STRATUM IV



(*d*) PIT III FRAGMENTARY REMAINS, FROM NORTH-WEST.



(*e*) EXTENSION OF PITS I AND II. A CURTAIN WALL OF STRATUM IV IN SQUARE Q 24/9 WITH ASHES AND CHARCOAL STICKING ON BOTH SIDES.



(*f*) EXTENSION OF PITS I AND II. PARTIAL VIEW OF FRACTIONAL BURIAL NO. 5440, FROM EAST.



(*a*) MOUND AS LEFT BY BRICK DIGGERS, FROM SOUTH-WEST-SOUTH.



(*b*) LONG VIEW OF CRUSHED POST-CREMATION URNS OF STRATUM V GOING ACROSS THE TRENCH, LOOKING WEST.



(*c*) GENERAL VIEW OF THE TRENCH SHOWING EXCAVATIONS IN THE BACKGROUND, AREA J, CEMETERY H AND MUSEUM, LOOKING SOUTH.



(*d*) LONG BRICK-ON-EDGE PAVEMENT OF STRATUM IV WITH SEVERAL PARTITIONS, LOOKING SOUTH.



(*e*) GENERAL VIEW SHOWING MUD BRICK TERRACE IN THE FOREGROUND, FROM SOUTH.



(*f*) DOUBLE WELL OF STRATUM III SHOWING TWO RINGS WITH CLAY FILLING IN BETWEEN.

(a) TRENCH I, GENERAL VIEW FROM NORTH-WEST



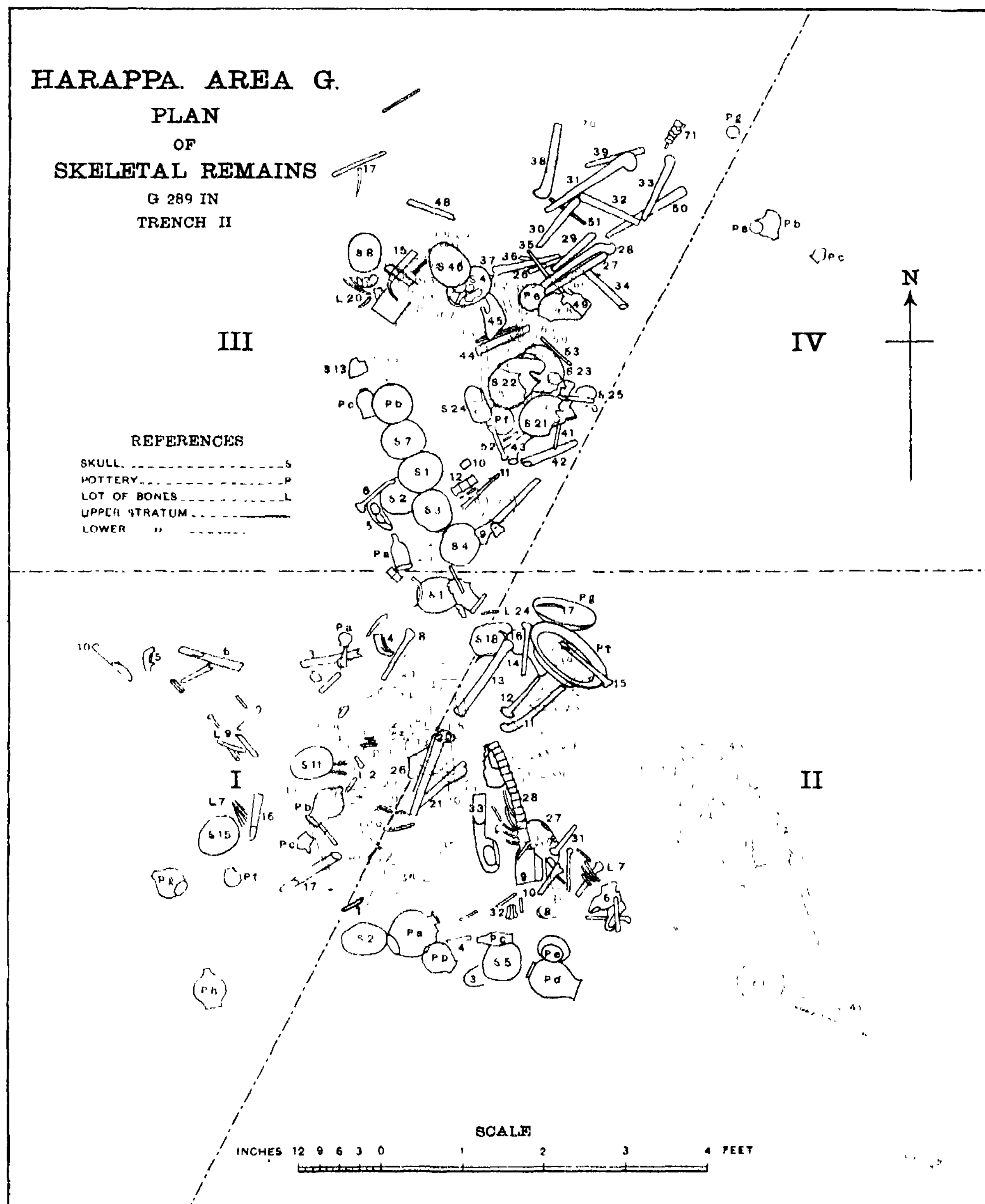
(b) TRENCH I HOUSE 4 SHOWING *Kachcha* ROOMS, FROM SOUTH-WEST.

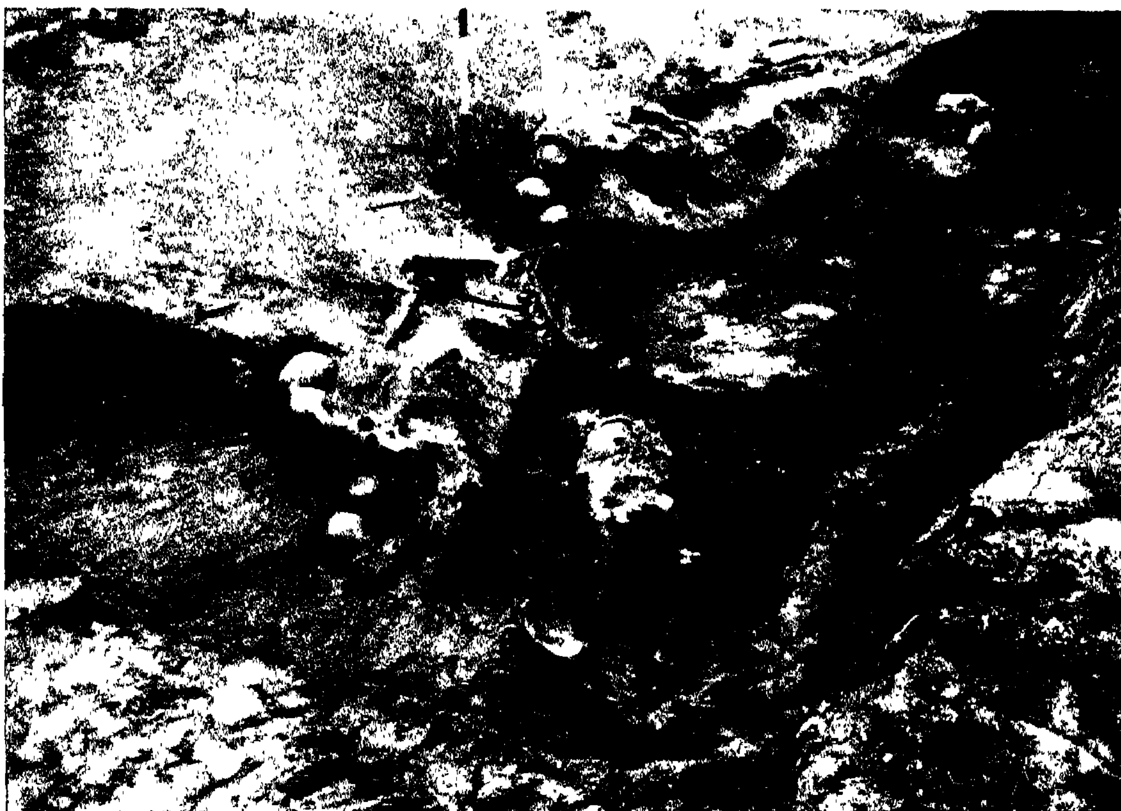


(c) TRENCH II, GENERAL VIEW, LOOKING SOUTH.



(d) TRENCH III, LOOKING EAST.


HARAPPA. AREA G.
PLAN
OF
SKELETAL REMAINS
G 289 IN
TRENCH II
REFERENCES
SKULL.......S
POTTERY.......P
LOT OF BONES.......L
UPPER STRATUM
LOWER "
III
IV
I
II
N
SCALE
INCHES 12 9 6 3 0 1 2 3 4 FEET



(*a*) PARTIAL VIEW OF THE SKELETAL REMAINS No. G 289, FROM SOUTH-EAST.



(*b*) POTTERY GROUP No. G 130 *in situ*.



(a) POTTERY GROUP No. G 15 *in situ*



(b) PARTIAL VIEW OF SKELETAL REMAINS No. G 289 SHOWING SKULLS S21, S22, S23 AND S46, ETC., PACKED TOGETHER IN DIVISION III, FROM EAST.



(c) PARTIAL VIEW OF SKELETAL REMAINS No. G 289 SHOWING SKULLS S1 TO S4 WITH FOOD PLATES, ETC., IN DIVISION III, FROM WEST.



(d) PARTIAL VIEW OF SKELETAL REMAINS No. G 289 WITH SOME ANIMAL AND HUMAN BONES IN DIVISION III, FROM SOUTH-EAST.



(*a*) POT-BURIALS OF STRATUM I, PANORAMIC VIEW, FROM EAST



(*b*) EARTH-BURIALS OF STRATUM II, PANORAMIC VIEW, FROM WEST.



(*a*) Western part showing pot-burials of Stratum I, from north.



(*b*) Eastern extension showing pot-burials of Stratum I, from north-east.



(*c*) Group of pot-burials No. H 209, A to K, from east.



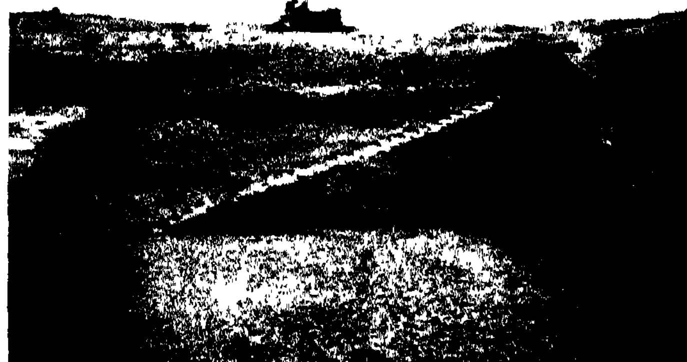
(*d*) Groups of pot-burials Nos. H 151 to H 154, from north-west.



(*e*) Group of pot-burials No. 7435 A to G, from south-east.



(*a*) CENTRAL PORTION SHOWING BURIAL POTTERY OF STRATA I AND II, FROM SOUTH-EAST.



(*b*) DEEP DIGGING AT THE NORTH-EAST CORNER SHOWING RIVER SILT AND POCKETS OF RUBBISH, LOOKING NORTH.



(*c*) BURIAL POTTERY OF STRATUM II, FROM SOUTH.



(*d*) GROUP OF POT BURIALS No. H 231, FROM WEST.



(*e*) BURIAL POTTERY OF STRATA I AND II IN SQUARES R 33/25 AND R 31/21, FROM NORTH-EAST.



(*f*) EARTH-BURIAL No. H 184, ETC., FROM NORTH.



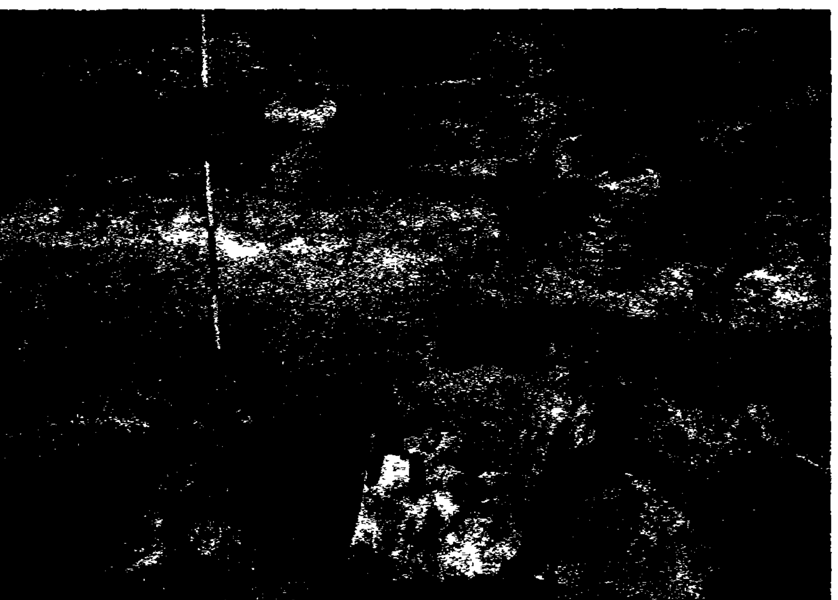
(*a*) EXTENSION OF WESTERN SECTION. POT-BURIALS OF STRATUM I, GENERAL VIEW, FROM EAST.



(*b*) EXTENSION OF WESTERN SECTION. FRACTIONAL BURIALS OF STRATUM II, GENERAL VIEW, FROM EAST.



(*c*) EXTENSION OF WESTERN SECTION. DETAIL VIEW OF SOME FRACTIONAL BURIALS OF STRATUM II, FROM SOUTH.



(*d*) WESTERN SECTION. POT-BURIALS NOS. H. 243 TO H. 248 CRUSHED BY THE IMPACT OF CART TRAFFIC, FROM SOUTH-WEST.



(*a*) BURIAL No. H 696.



(*b*) BURIAL No. H 710.



(*c*) BURIAL No. H 695.



(*d*) BURIAL No H 699.



(*e*) BURIAL No. H 485.



(*f*) BURIAL No. H 488.



(*b*) BURIAL NO. H 306.



(*d*) BURIAL NO. H 307.



(*a*) BURIAL NO. H 698
WITH A SACRIFICED GOAT
TO RIGHT.



(*c*) BURIAL NO. H 184.



(*a*) Burial No. H 184.



(*b*) Burial No. H 501.



(*c*) Burial No. H 502.



(*d*) Burial No. H 697.



(a) CONTENTS OF THE BURIAL-POT No. H 245a



(b) CONTENTS OF THE BURIAL-POT No. H 249.



(c) CONTENTS OF THE BURIAL-POT No. H 61.



(d) CONTENTS OF THE BURIAL-POT No. H 206a.



(e) CONTENTS OF THE BURIAL-POT No. H 231.



(*a*) BURIAL-POT No. H 231 CONTAINING ONLY A CHILD'S SKULL



(*b*) CONTENTS OF THE BURIAL-POT No. H 154*a* ALSO SHOWING A NARROW-NECKED VASE



(*c*) BURIAL-POT No. H 245 CONTAINING ONLY A PART OF A LOWER LEG.



(*d*) BURIAL-POT No. H 153 CONTAINING ONLY A CHILD'S SKULL



(*e*) POT-BURIAL No. H 83 SHOWING A BABY IN EMBRYONIC POSITION.



(*a*) POT-BURIAL NO. H165A CONTAINING A BABY IN EMBRYONIC POSITION.



(*b*) POT-BURIAL NO. H622 CONTAINING A BABY IN EMBRYONIC POSITION.



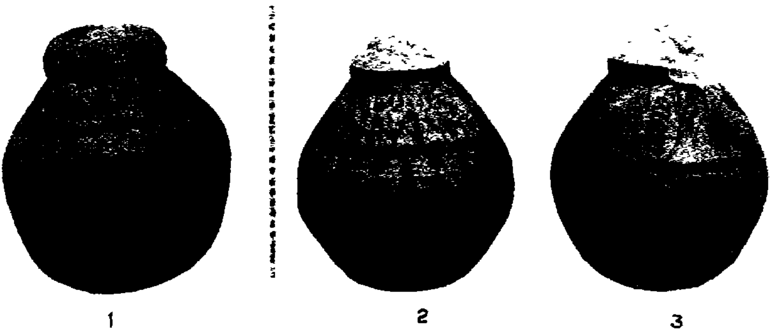
(*c*) POT-BURIAL NO. H679 CONTAINING A BABY IN EMBRYONIC POSITION.



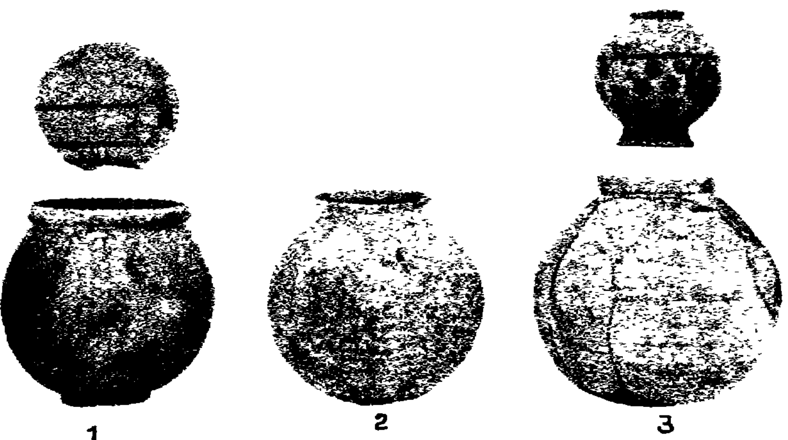
(*d*) POT-BURIAL NO. H148A CONTAINING A BABY IN EMBRYONIC POSITION.



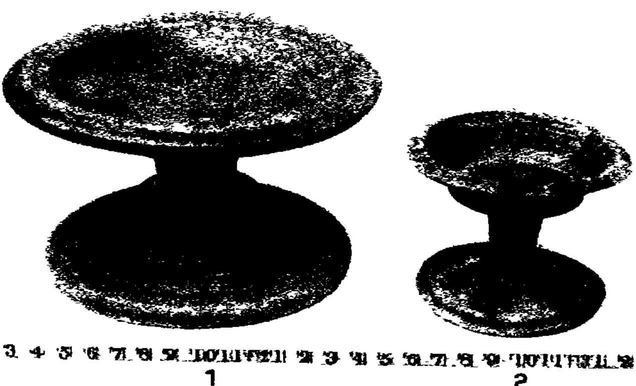
(*a*) The first pot-burials No 3031 A to C.



(*b*) Pot-burials Nos H 206 *a* and *b* and H 245 *k* painted with mythological scenes



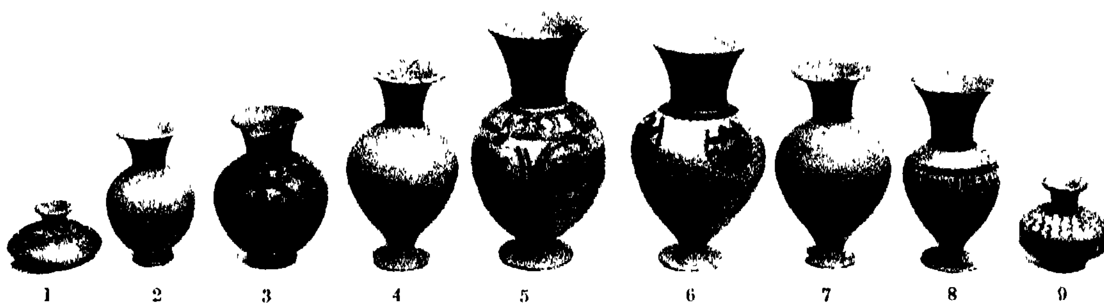
(*c*) Types of burial jars which contained babies in embryonic position.



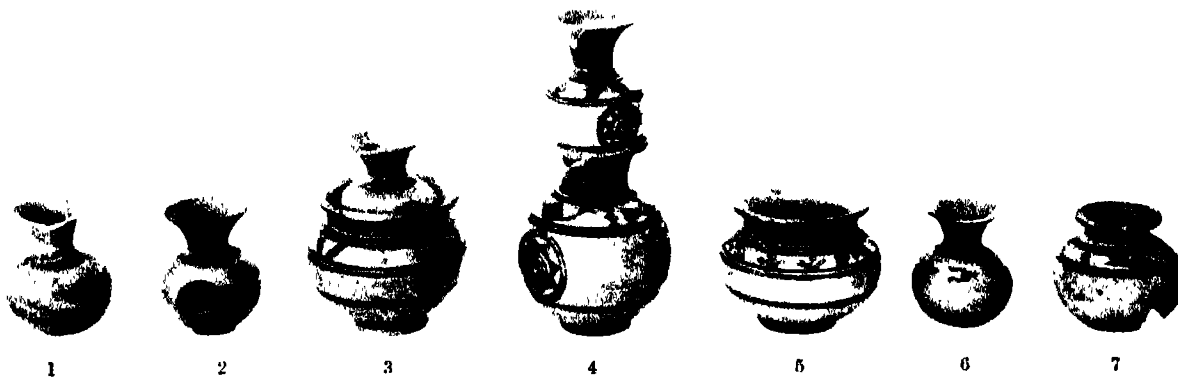
(*d*) Types of burial food-plates from stratum II.



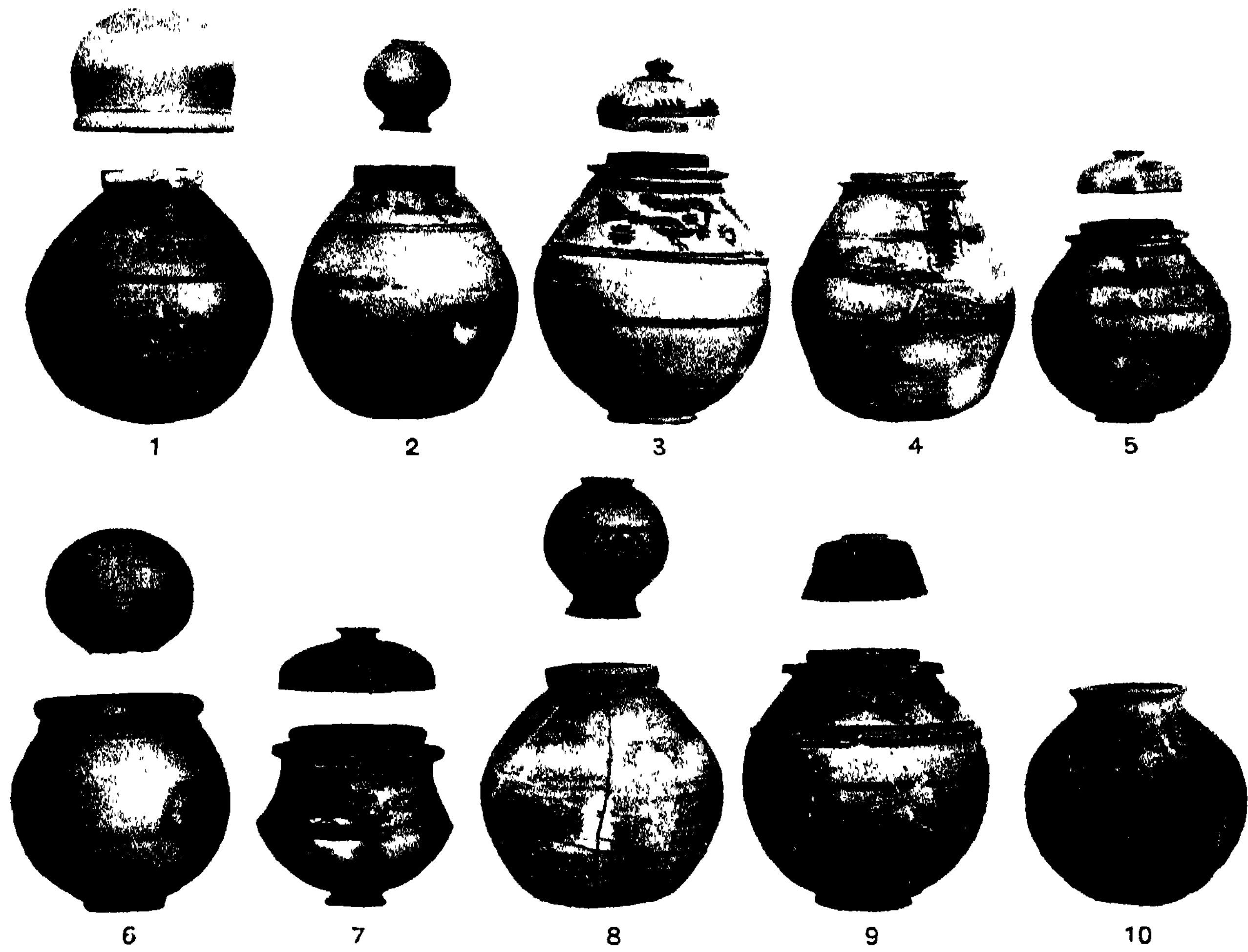
(a) AREA G, TRENCH III. GENERAL VIEW FROM SOUTH.



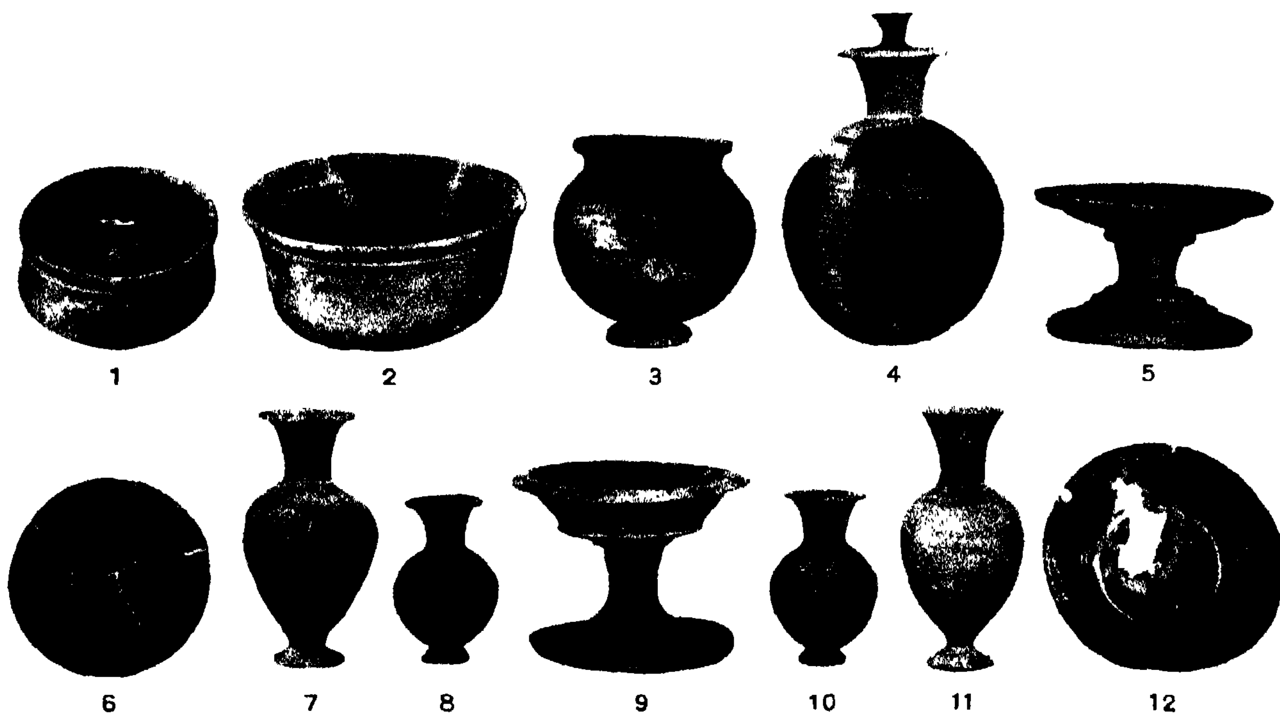
(b) CEMETERY H. FLASKS, ETC., MOSTLY OF STRATUM II.



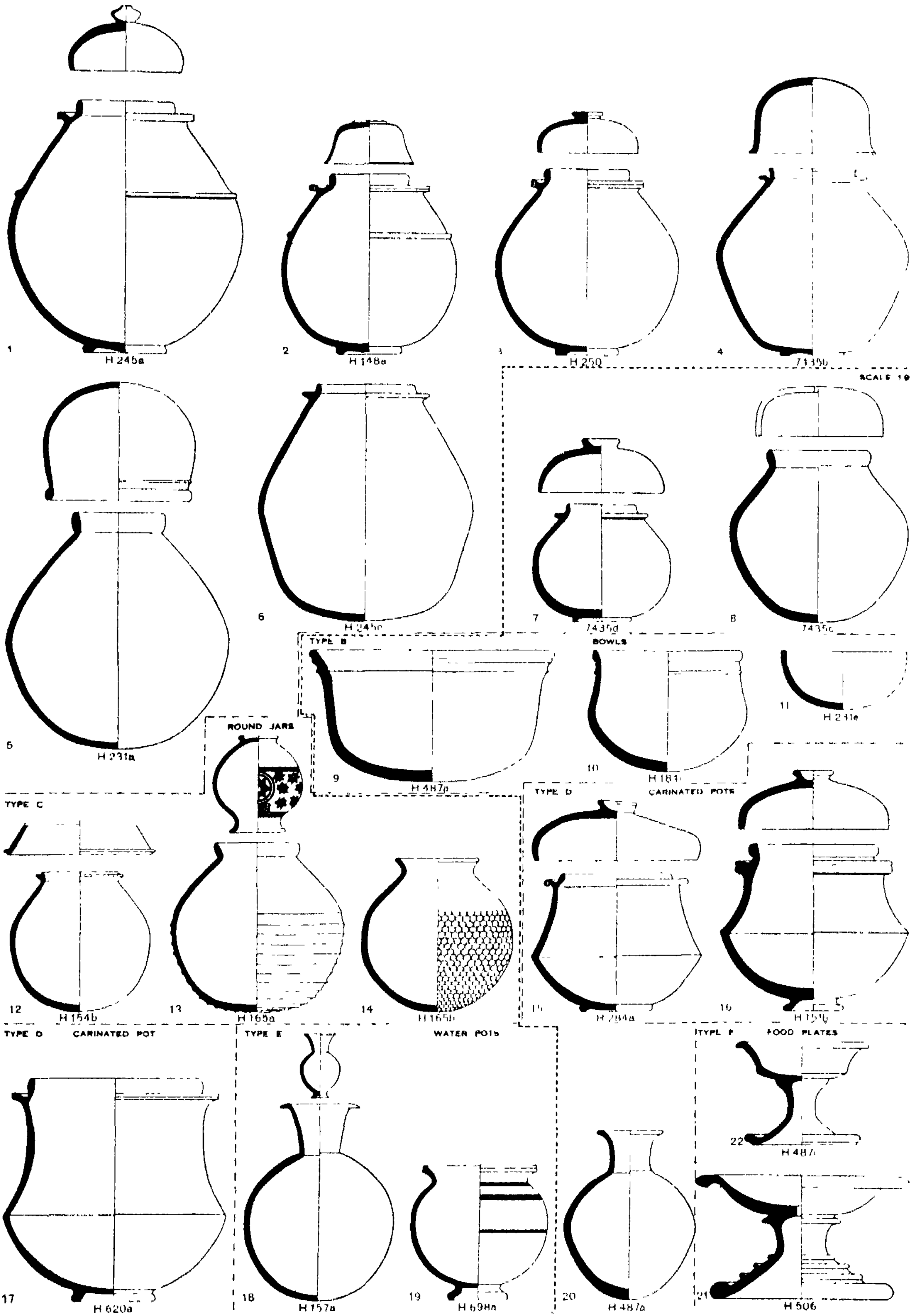
(c) CEMETERY H. POTTERY OF STRATUM II.



(*a*) Types of burial-pots of stratum I with their covers.

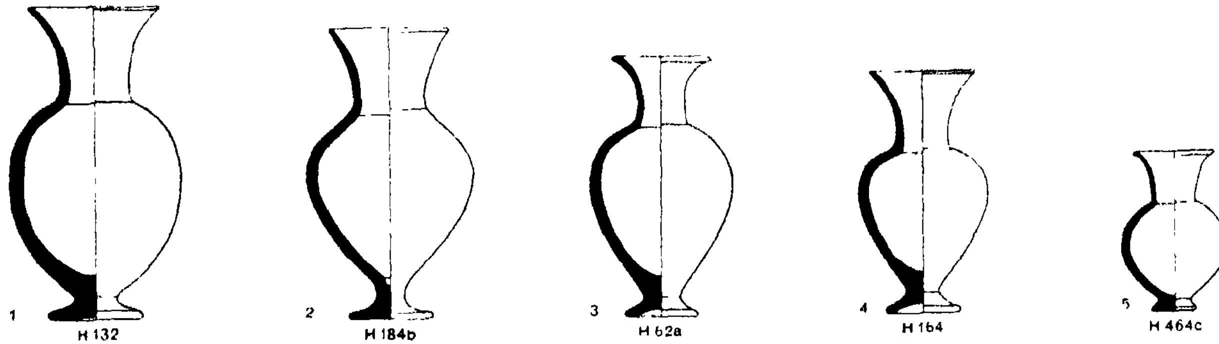


(*b*) Types of pottery found with earth-burials of stratum II.

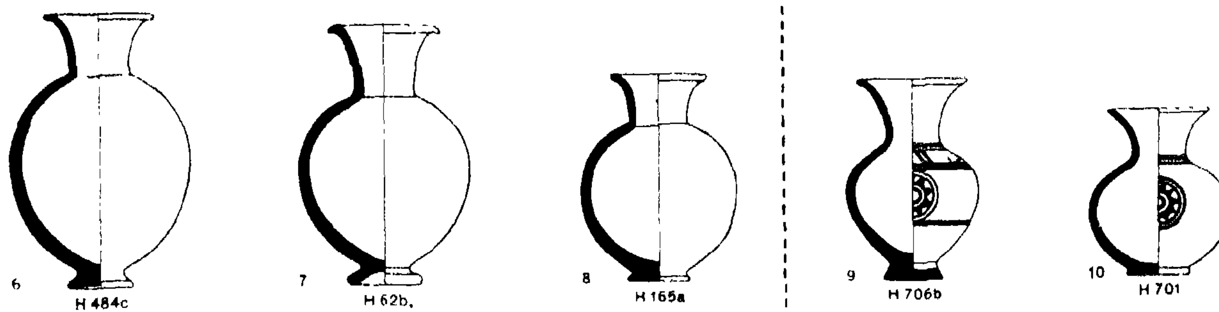

TYPE A
SCALE 1:12
1
H 245a
2
H 148a
3
H 250
4
7135b
SCALE 1:9
5
H 231a
6
H 245c
7
7435d
8
7435c
TYPE B
BOWLS
9
H 487a
10
H 183
11
H 231e
ROUND JARS
TYPE C
12
H 154b
13
H 165a
14
H 165b
TYPE D
CARINATED POTS
15
H 284a
16
H 156
TYPE D
CARINATED POT
17
H 620a
TYPE E
WATER POTS
18
H 157a
19
H 698a
20
H 487a
TYPE F
FOOD PLATES
22
H 487
21
H 506

SCALE 1:6

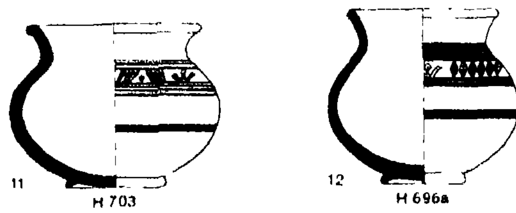
TYPE G



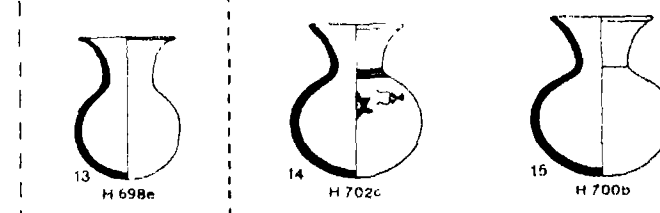
SCALE 1:4



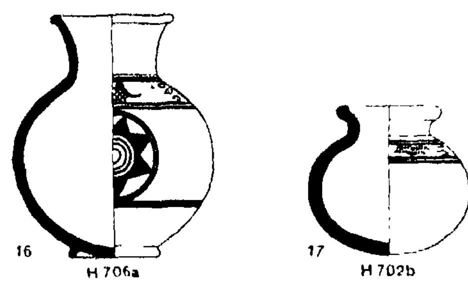
TYPE H WATER POTS

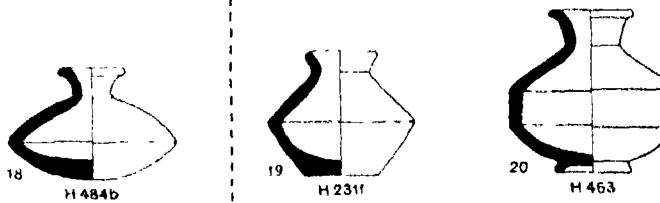


TYPE I ROUND VASES

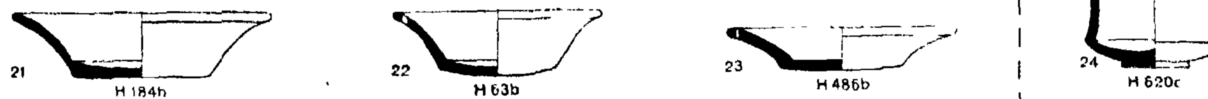


TYPE J MISCELLANEOUS VASES

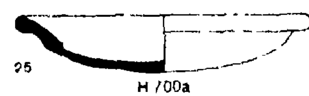




TYPE K SAUCERS

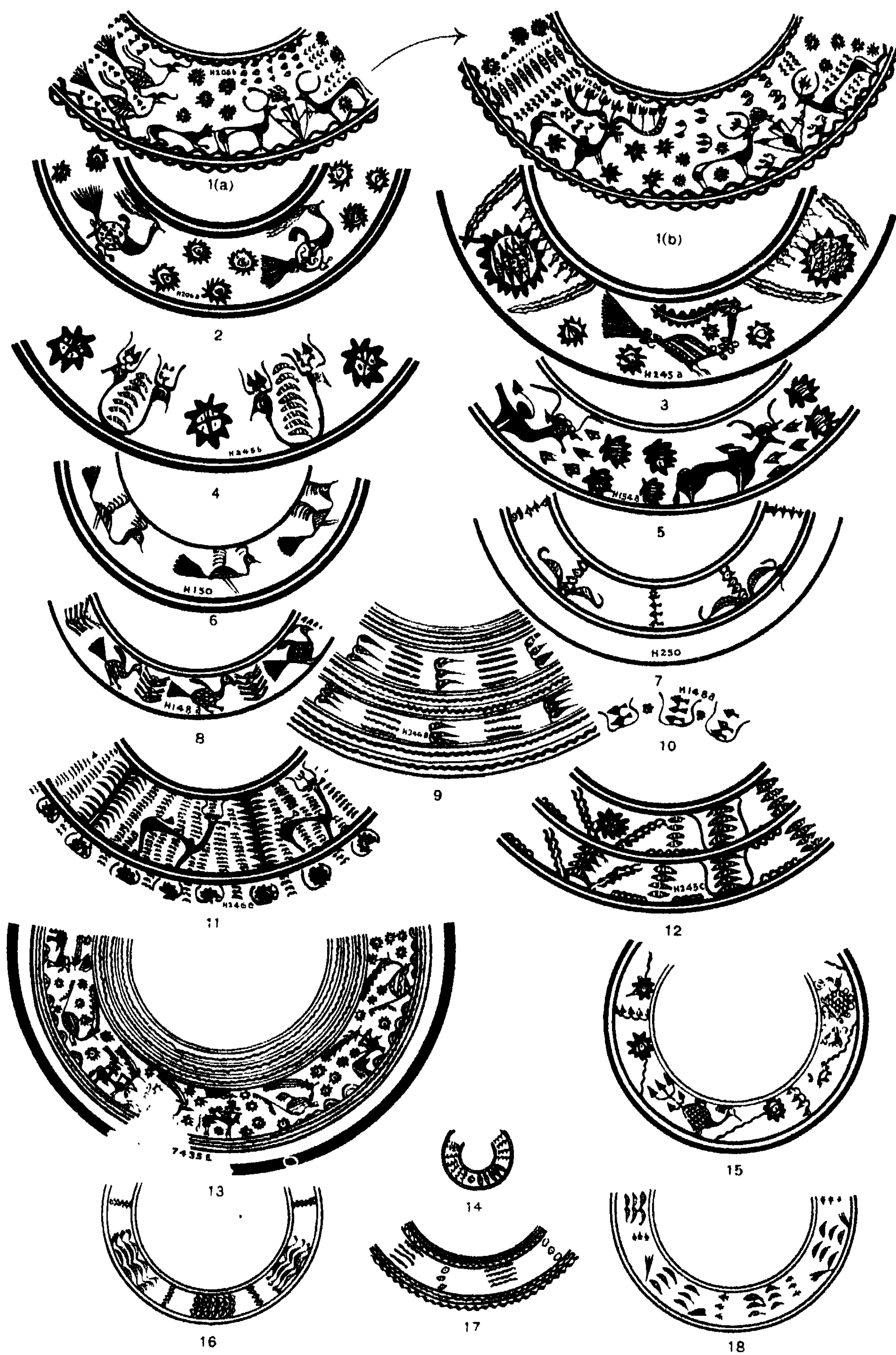


TYPE L PLAIN DISH

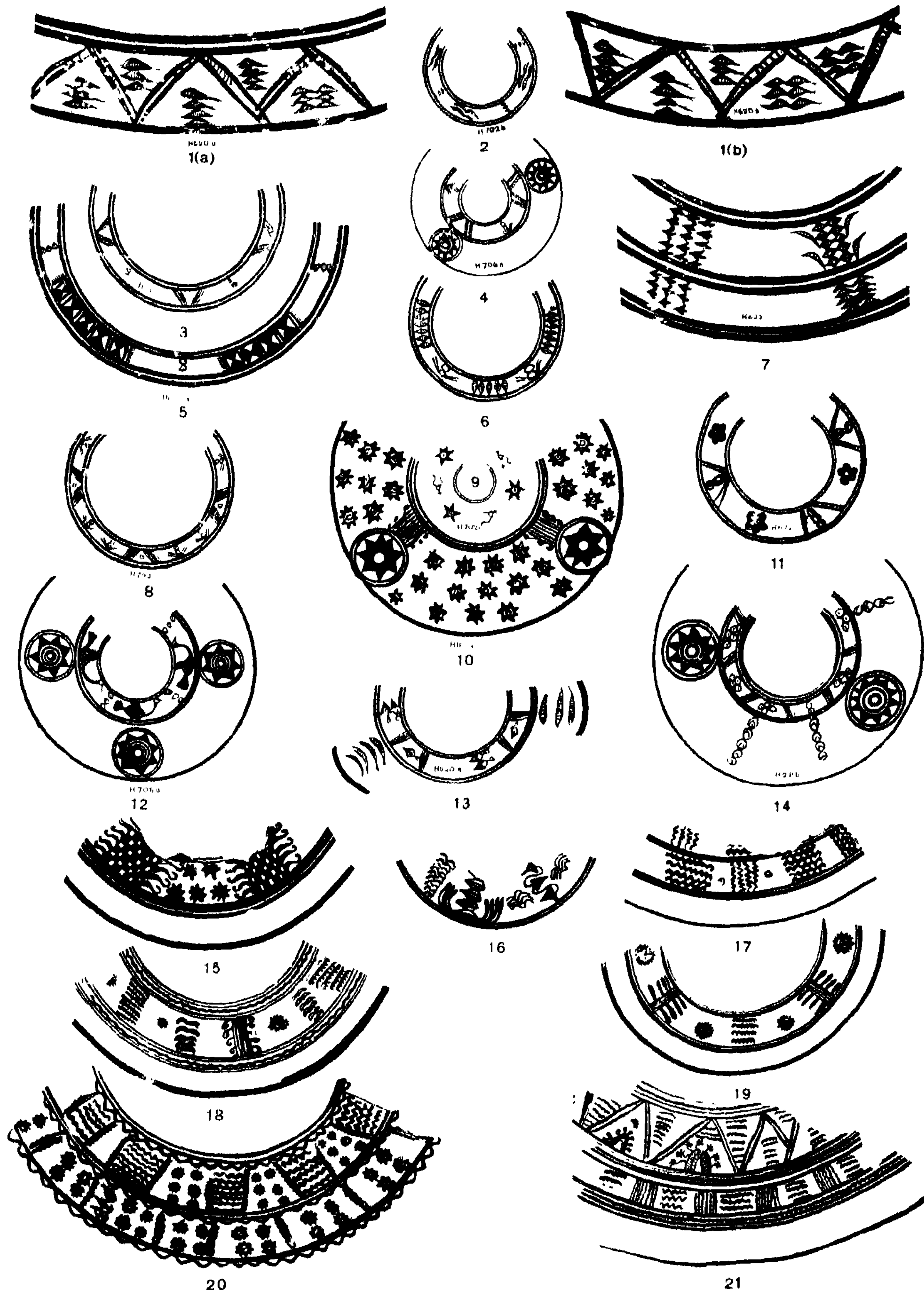


TYPE M FLAT COVERS





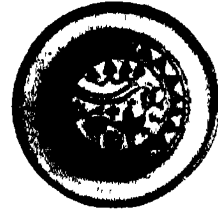
CEMETERY H. PAINTINGS ON BURIAL JARS.



CEMETERY II. PAINTINGS ON BURIAL JARS.


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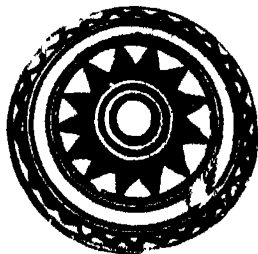
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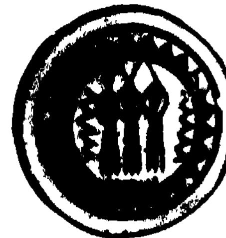
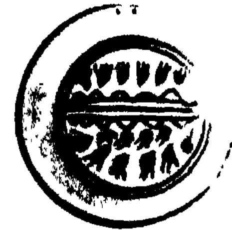
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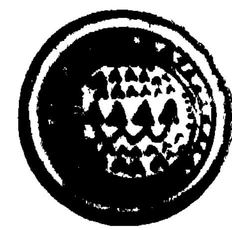
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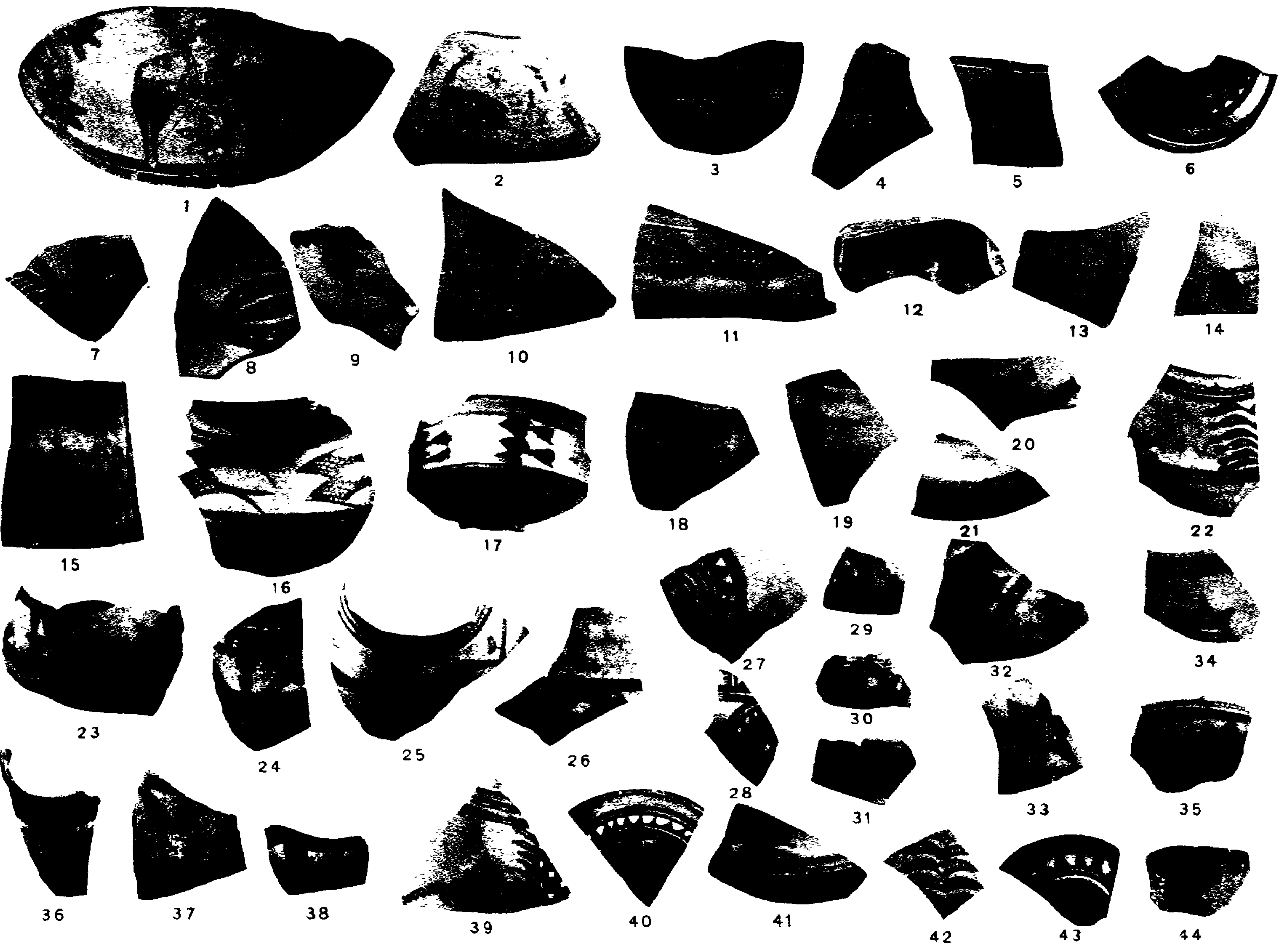
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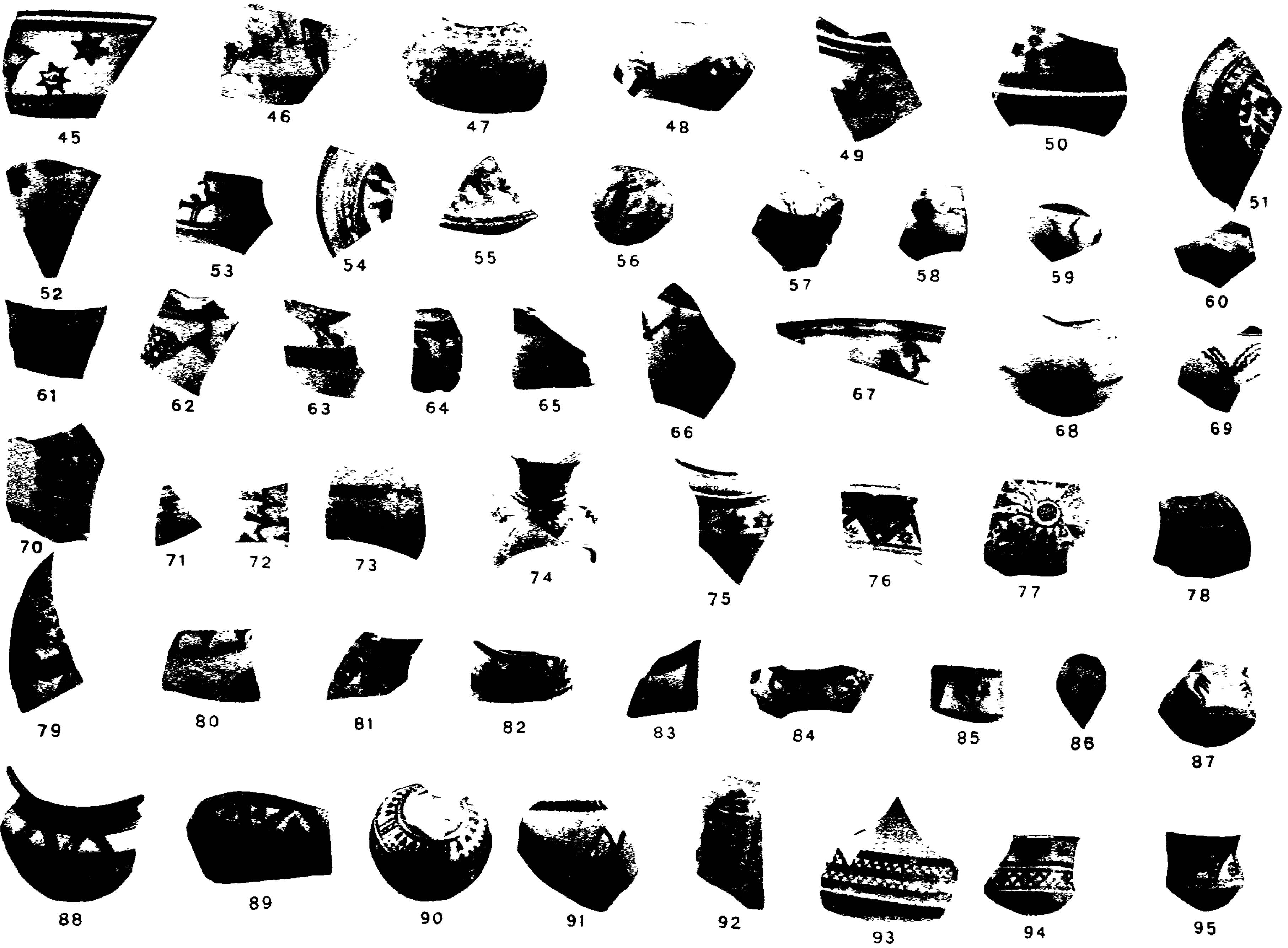
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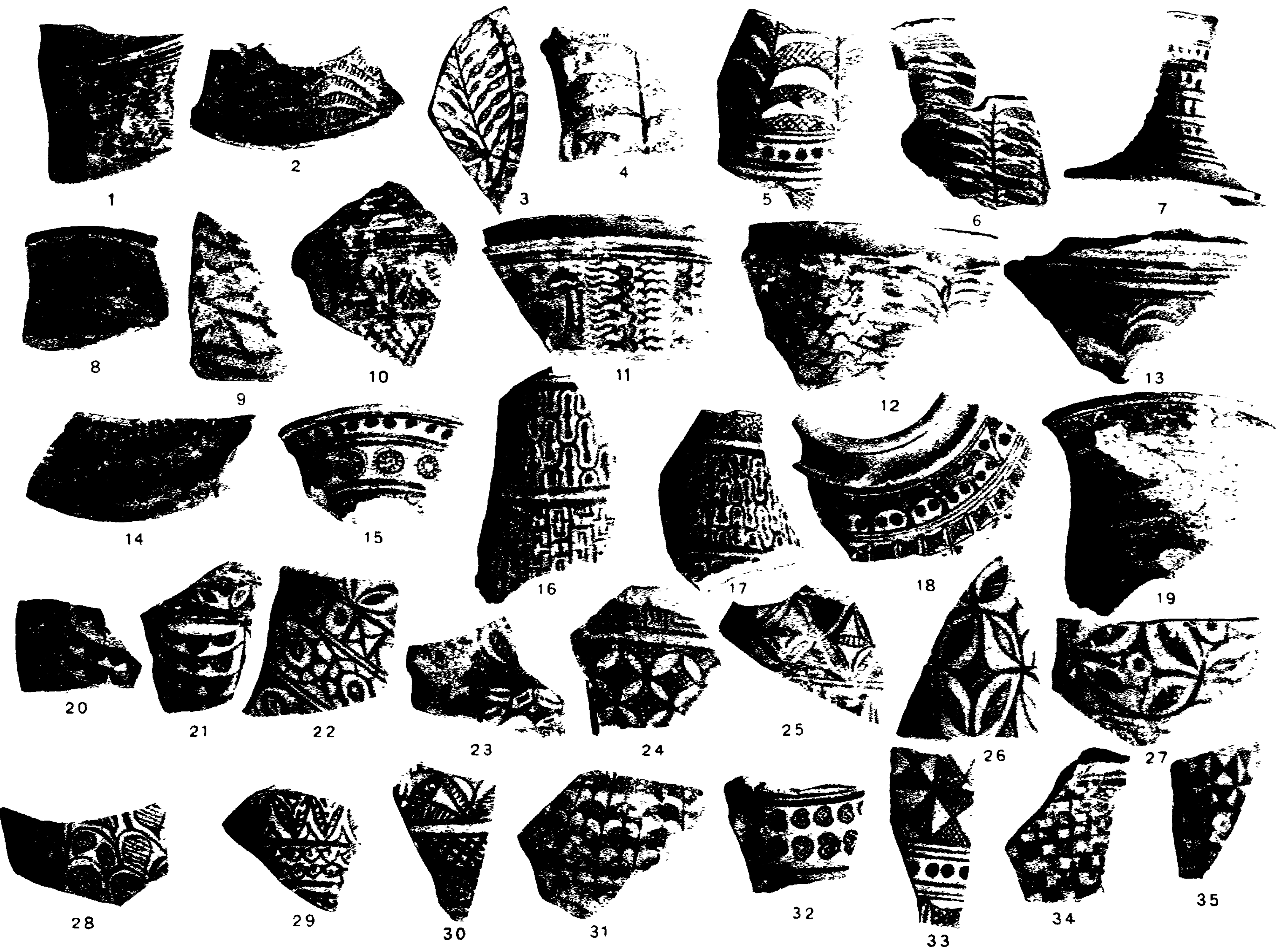
CEMETERY II. PAINTINGS ON THE UNDERSIDE OF FLAT COVERS FROM STRATUM II.



PAINTED SHERDS FROM MOUNDS TYPICAL OF BURIAL POTTERY.

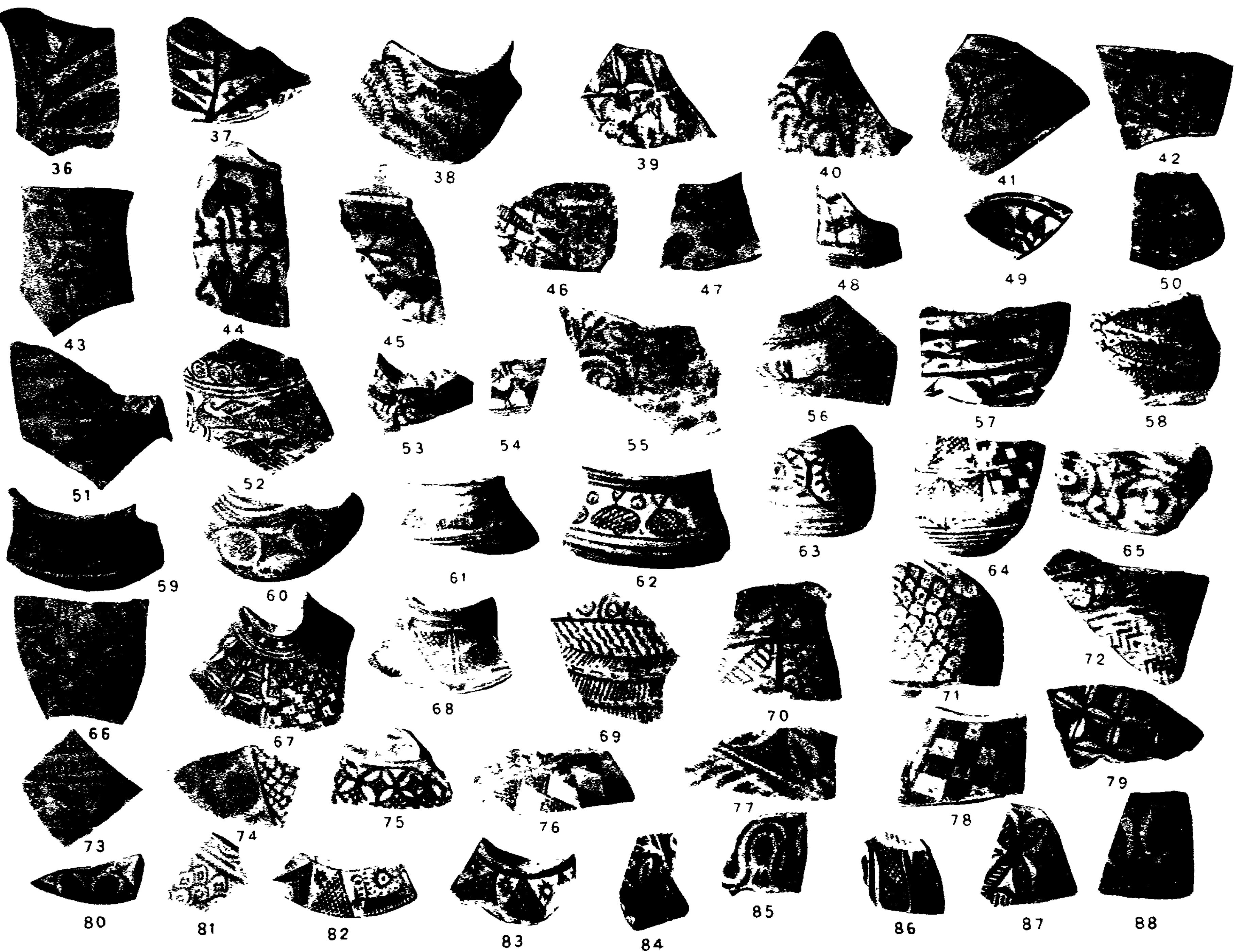


PAINTED SHERDS FROM MOUNDS TYPICAL OF BURIAL POTTERY.



PAINTED SHERDS FROM MOUNDS TYPICAL OF HOUSEHOLD VESSELS.

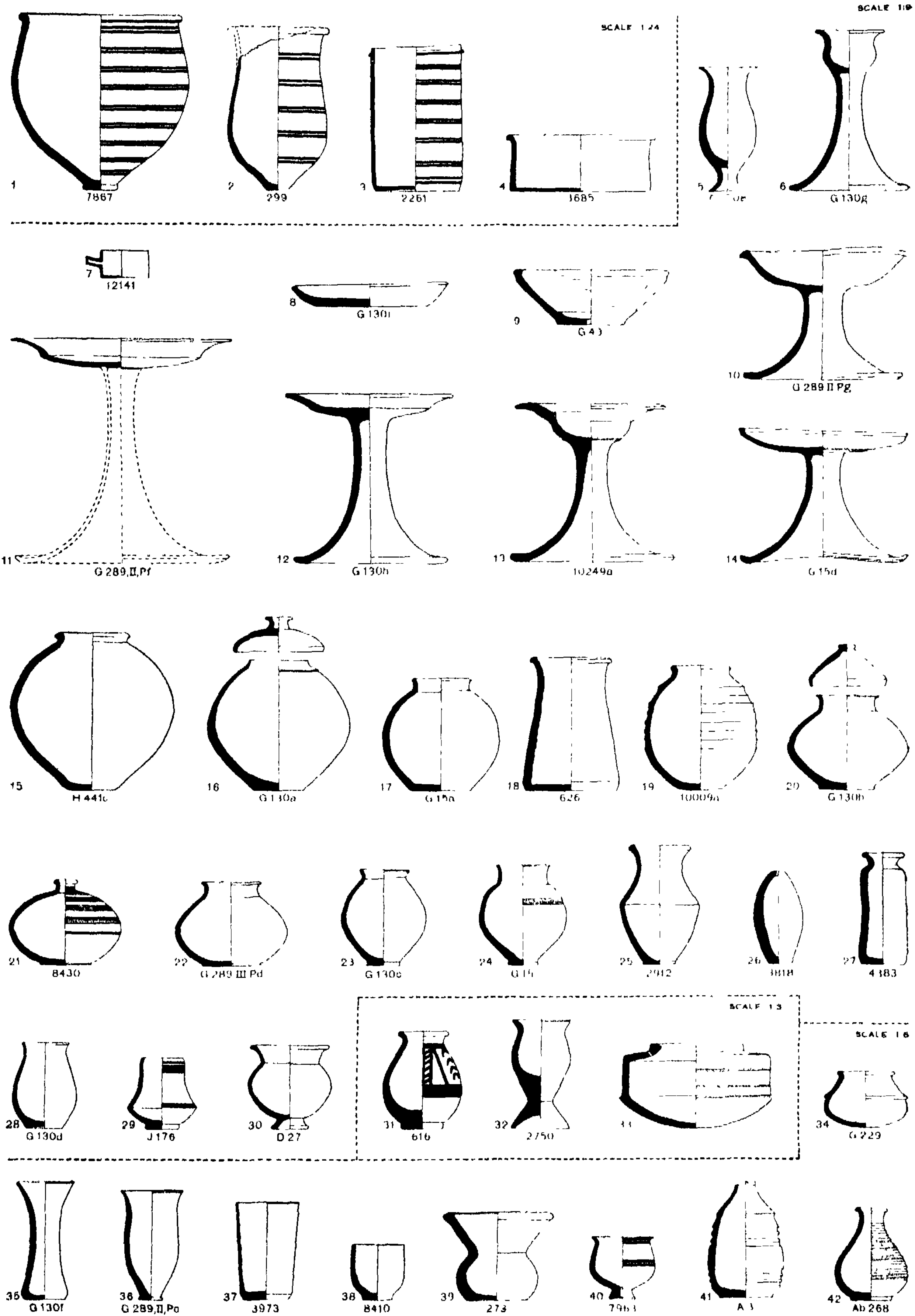
PLATE LXVIII.



PAINTED SHERDS FROM MOUNDS TYPICAL OF HOUSEHOLD VESSELS.

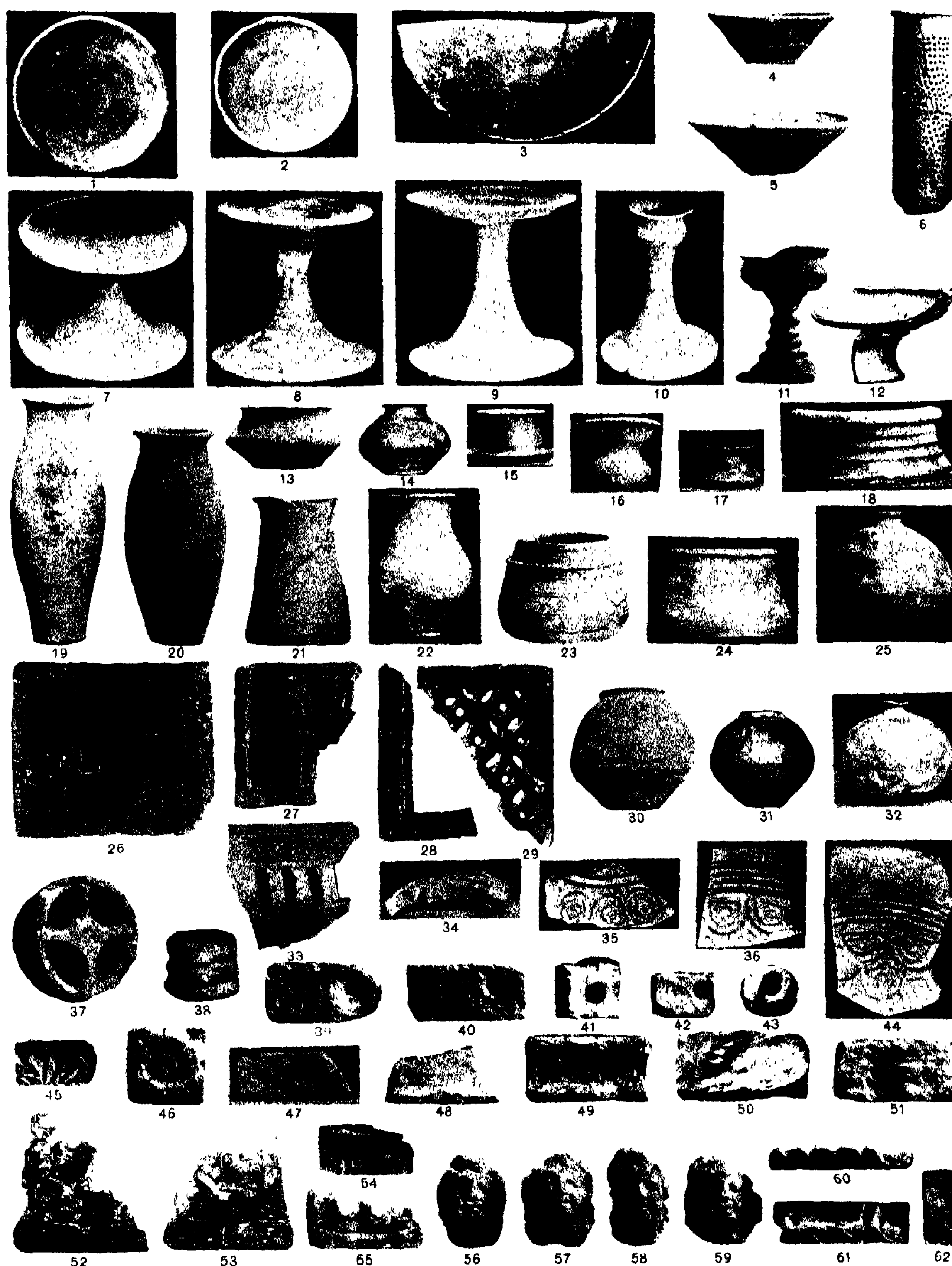


PAINTED POTTERY FROM THE MOUNDS.

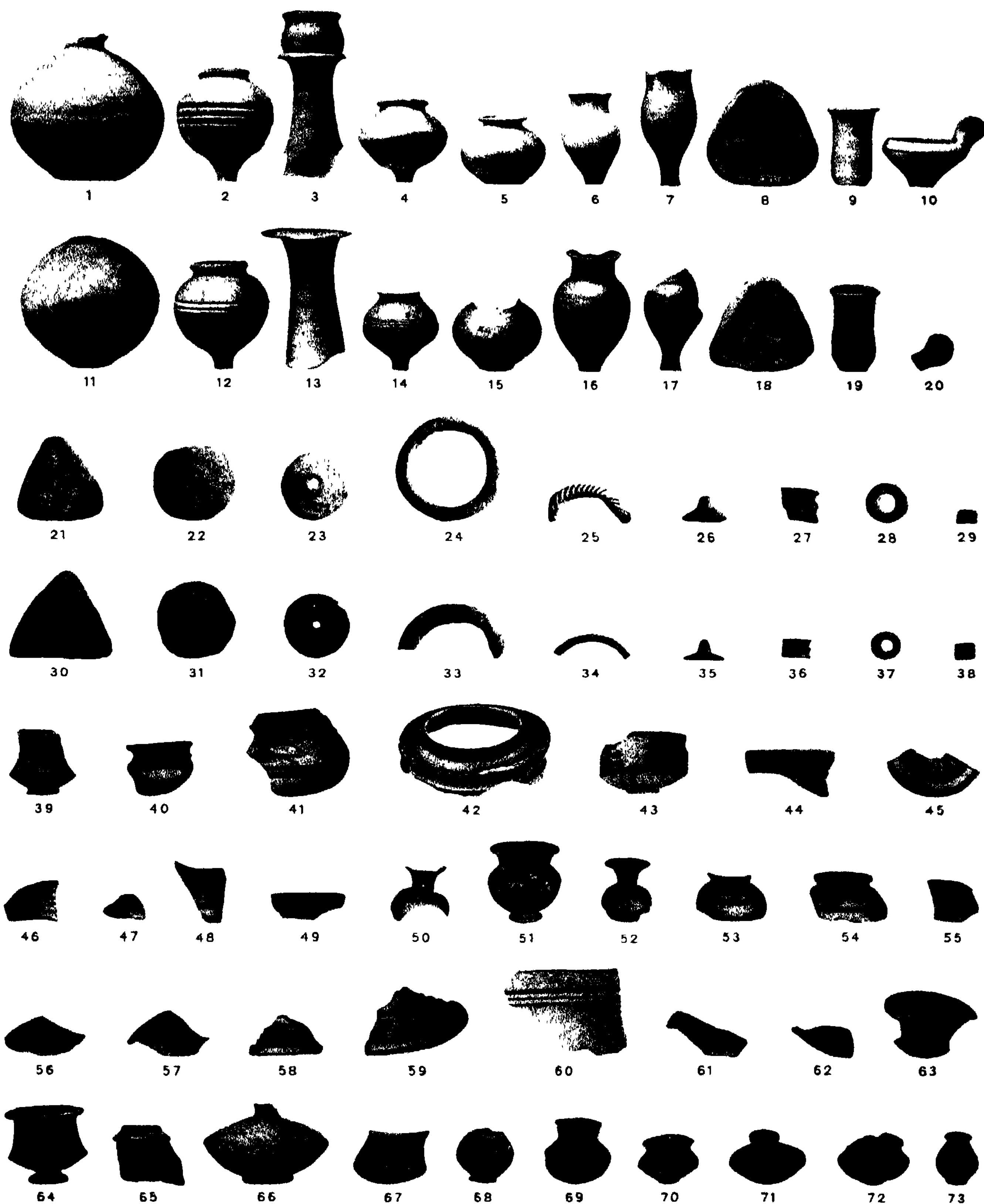




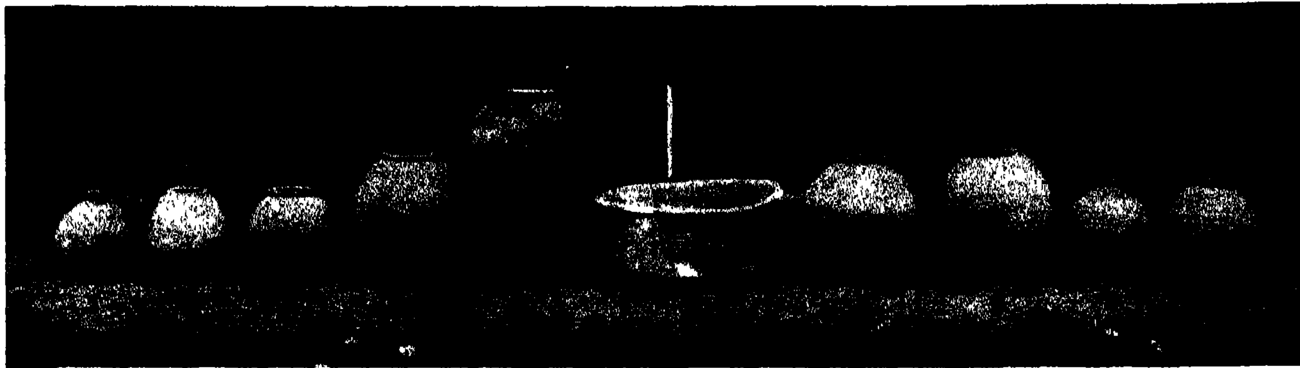
Miscellaneous pottery.



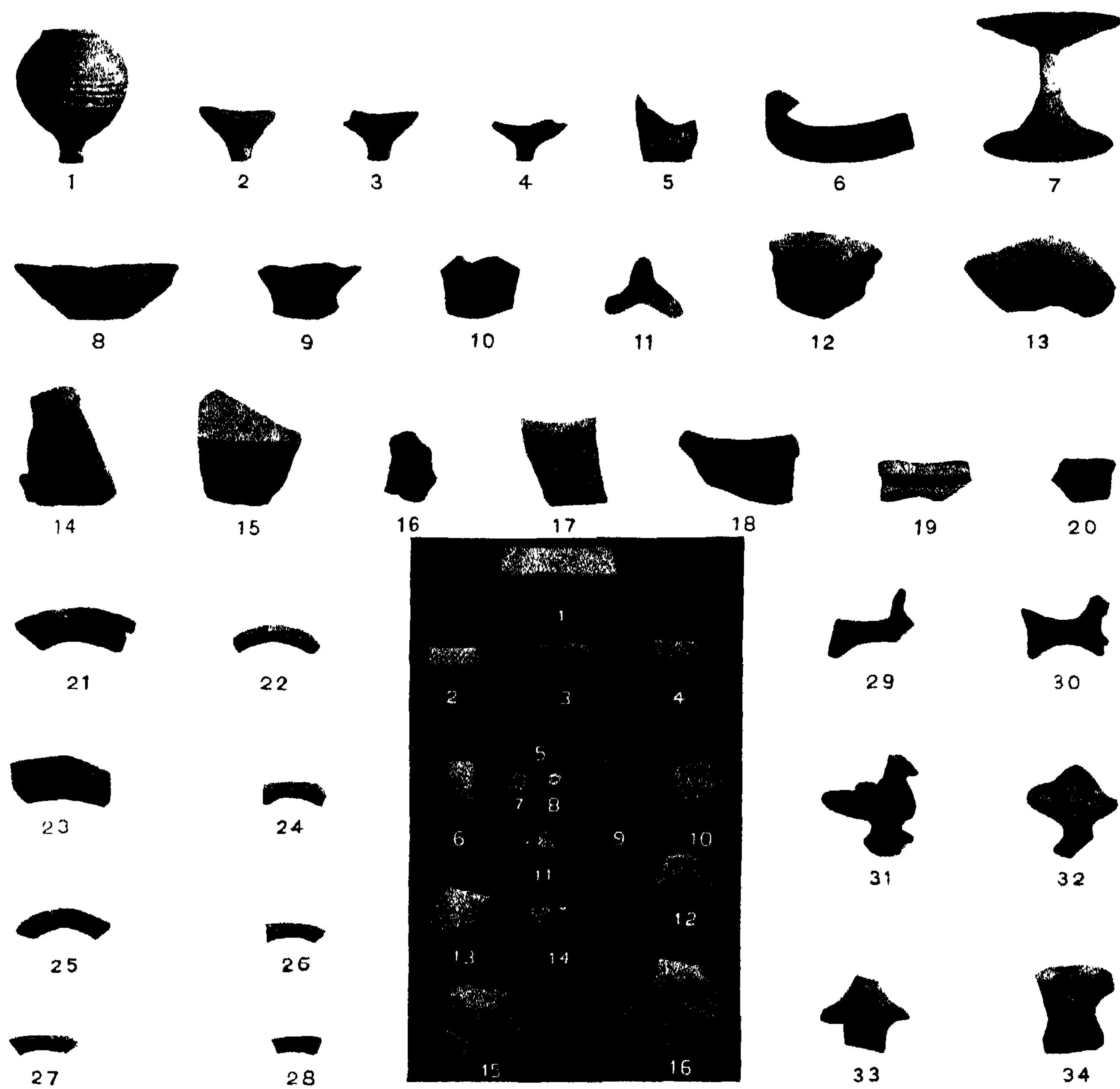
VESSELS AND MISCELLANEOUS OBJECTS OF TERRACOTTA.



MISCELLANEOUS OBJECTS FROM HARAPPA AND KOTLA NIHANG, AND POTTERY TYPICAL OF CEMETERY H FROM HARAPPA.



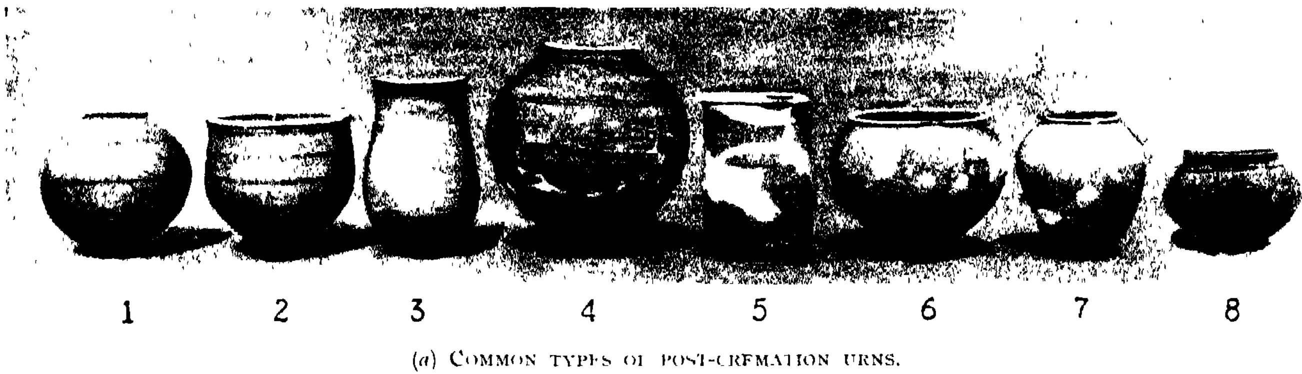
(*a*) Common types of household jars from Harappa.



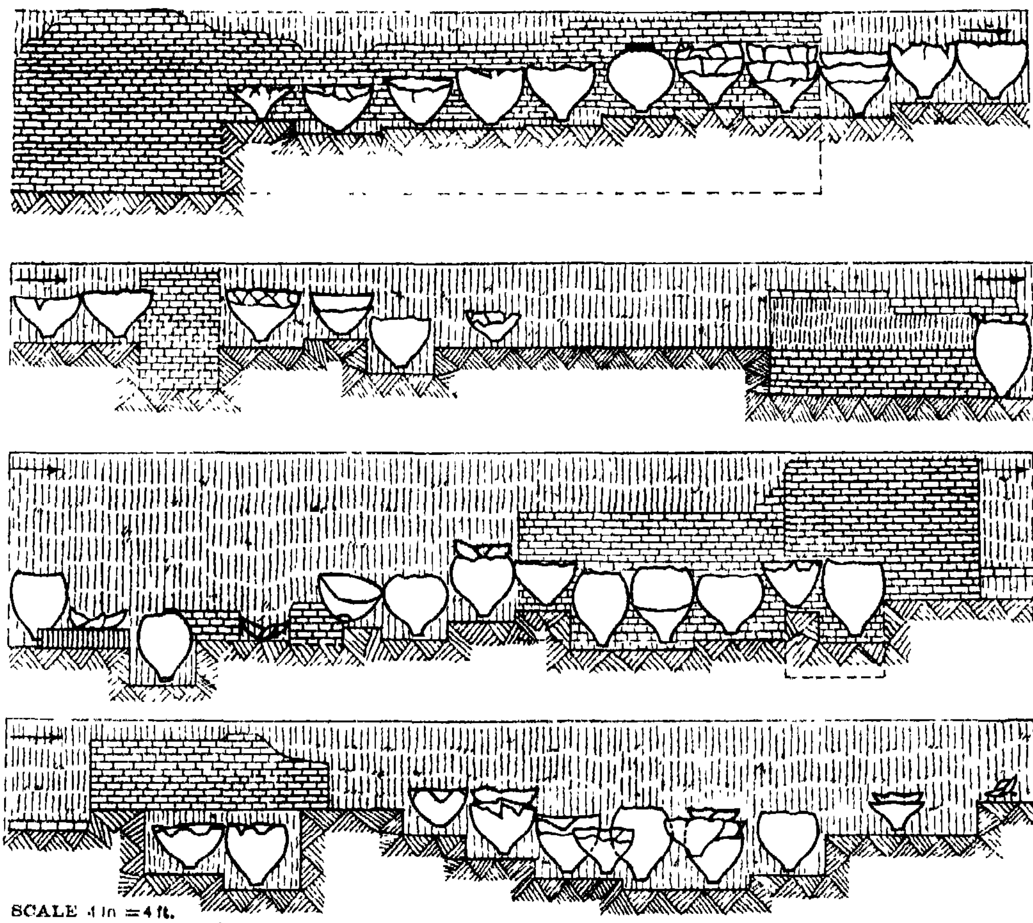
(*c*) Pottery objects.

(*b*) Miscellaneous objects from Chak Purbane Siyal.

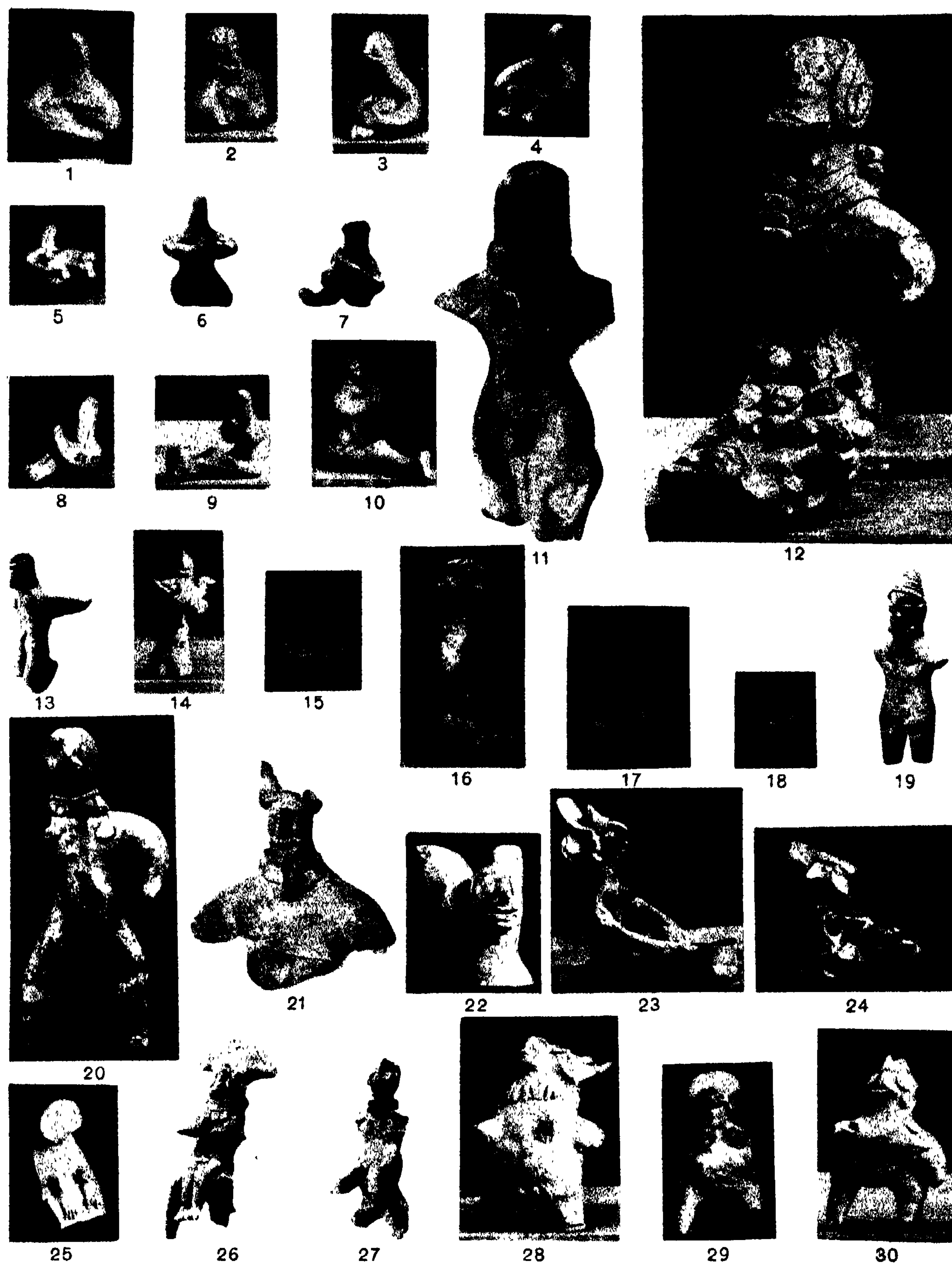
(*c*) Pottery objects.



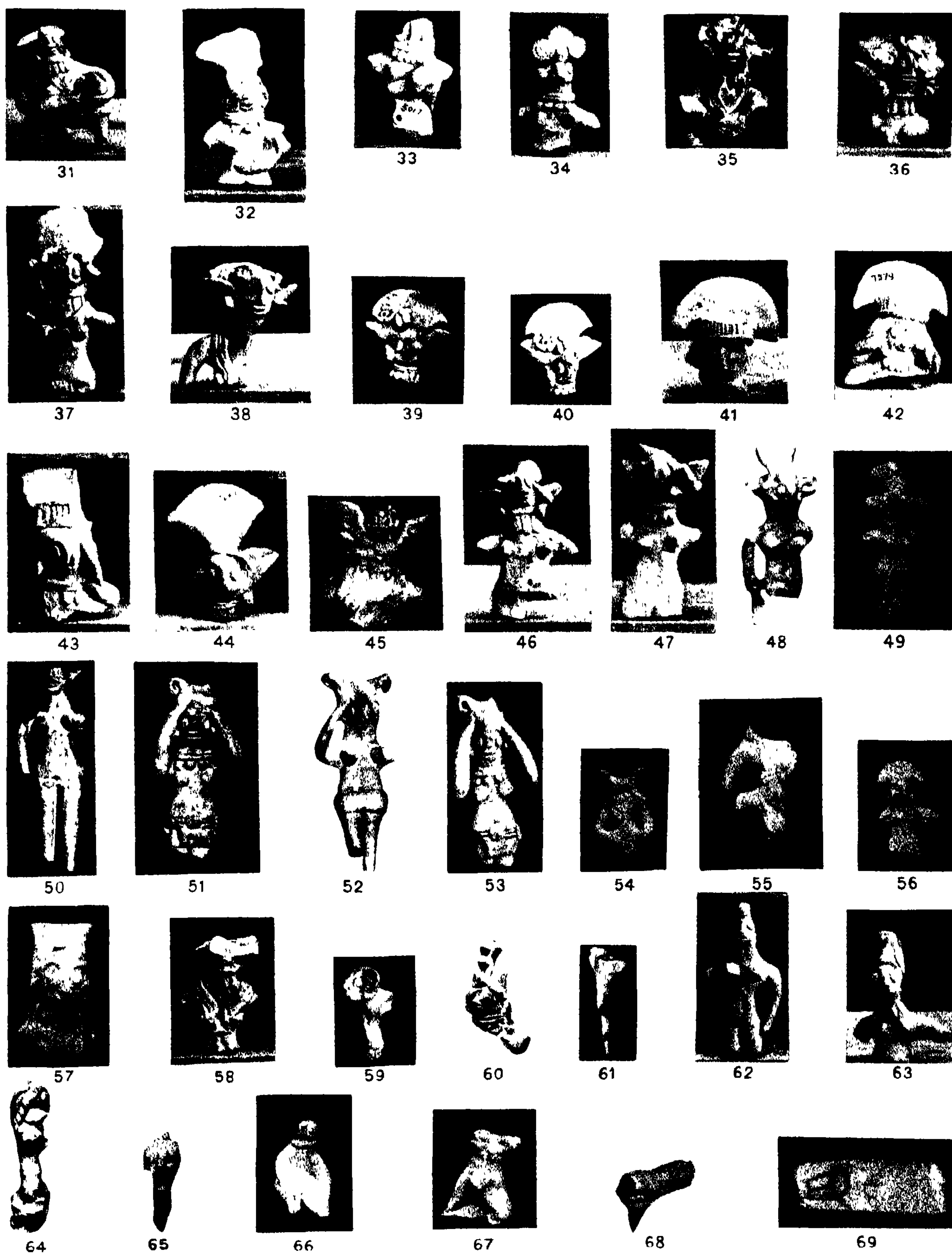
(*a*) COMMON TYPES OF POST-CREMATION URNS.



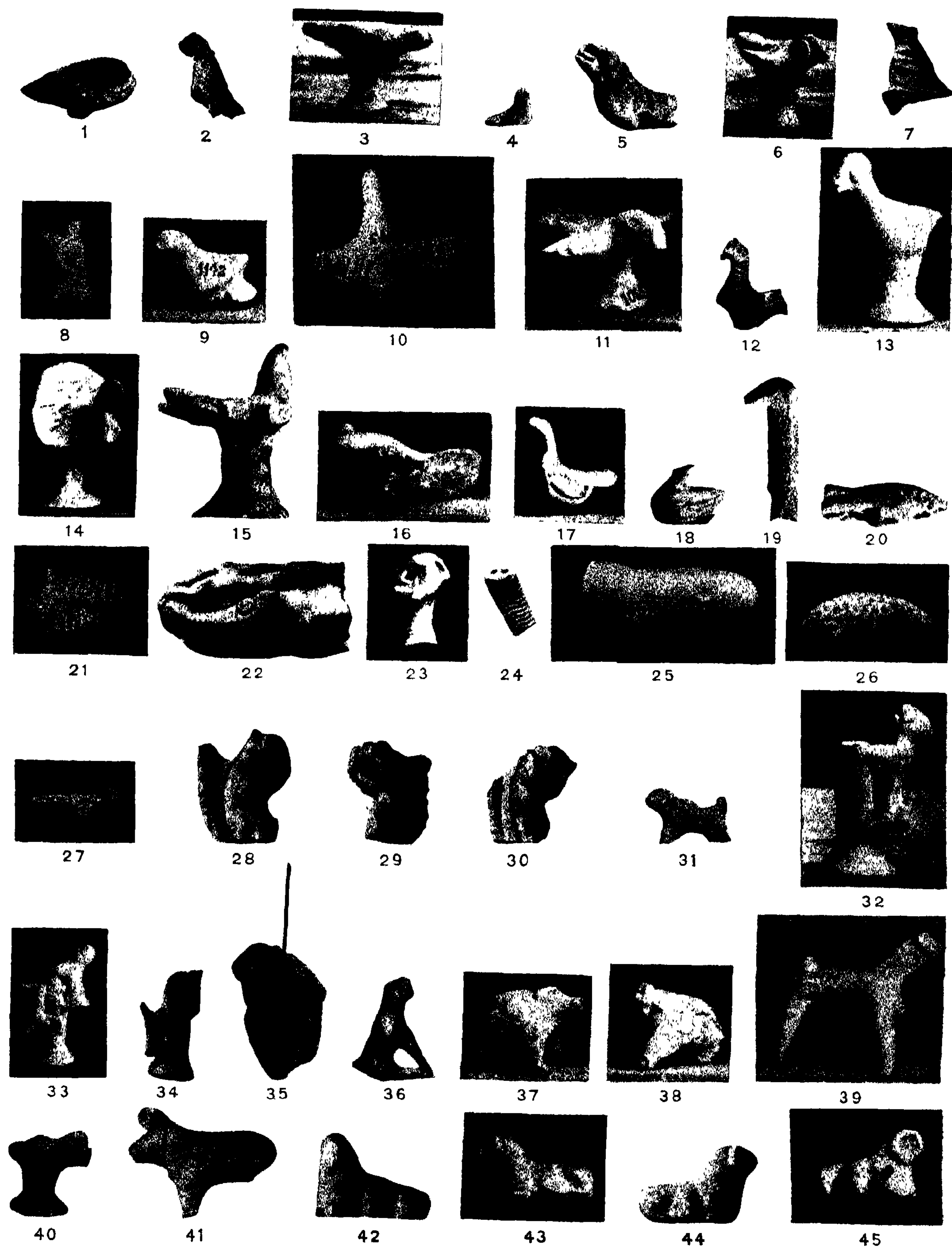
MOUND AB, TRENCH AT THE SOUTHERN EDGE.
ROW OF POST-CREMATION URNS, LOOKING SOUTH.



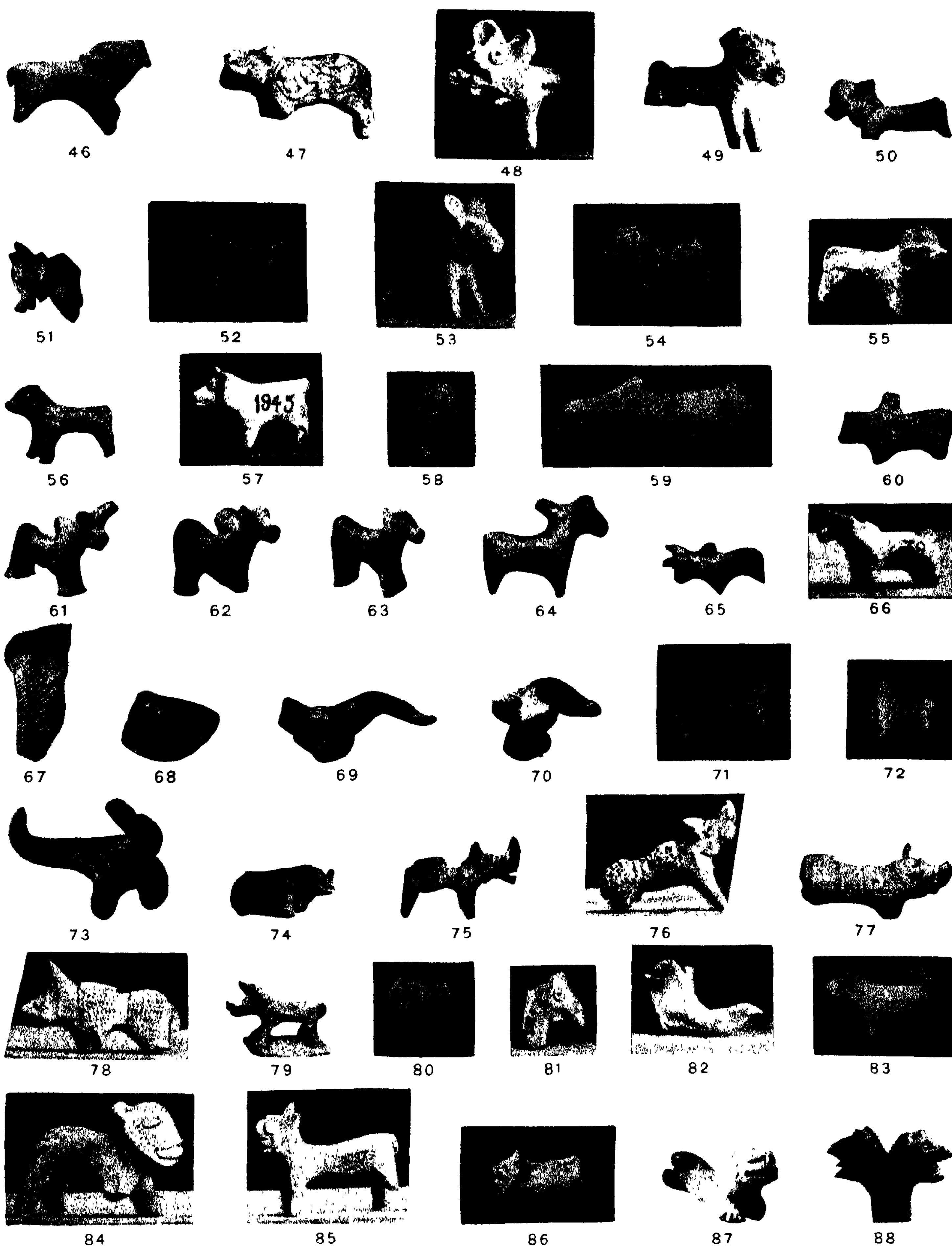
TERRACOTTA HUMAN FIGURINES.



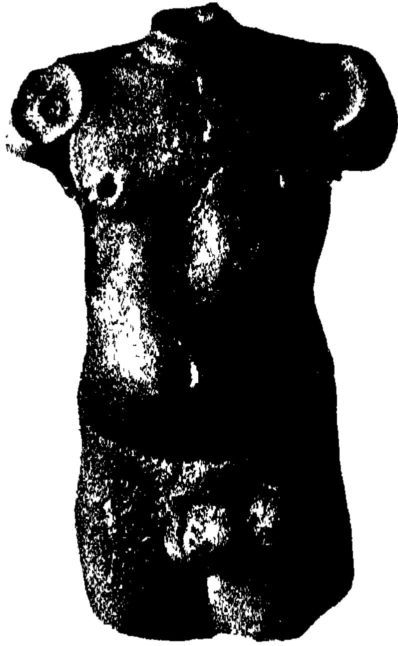
TERRACOTTA HUMAN FIGURINES



ANIMAL FIGURINES OF TERRACOTTA, FAIENCE, STONE, ETC.



ANIMAL FIGURINES OF TERRACOTTA, FAIENCE, STONE, ETC.



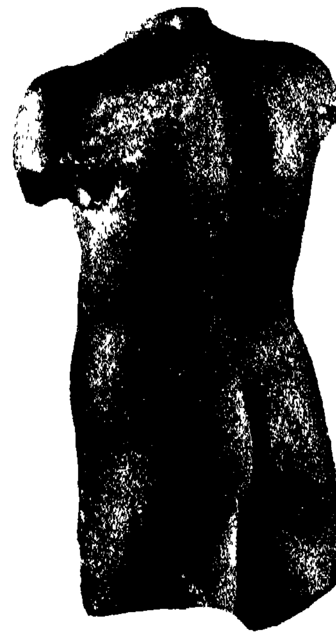
(a)



(b)



(c)

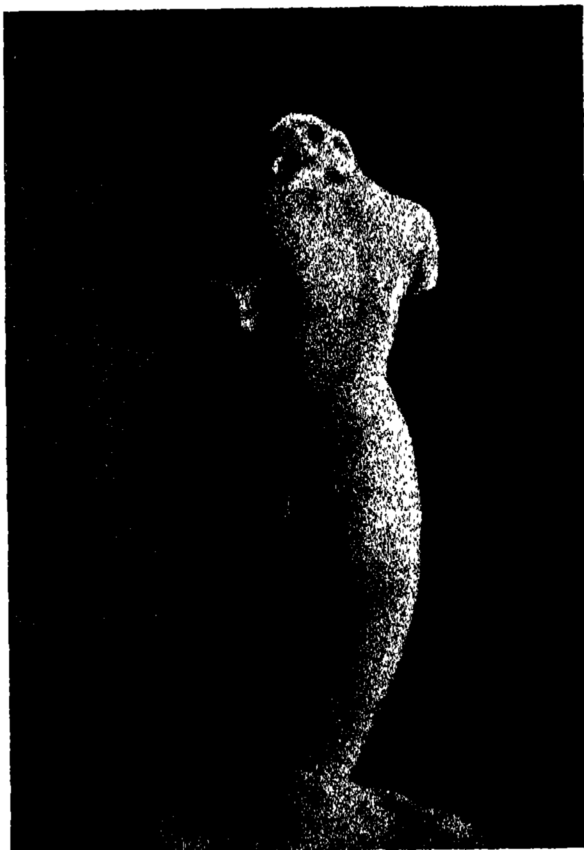


(d)

STATUETTE OF RED SANDSTONE No. 9042 FROM TRENCH IV.

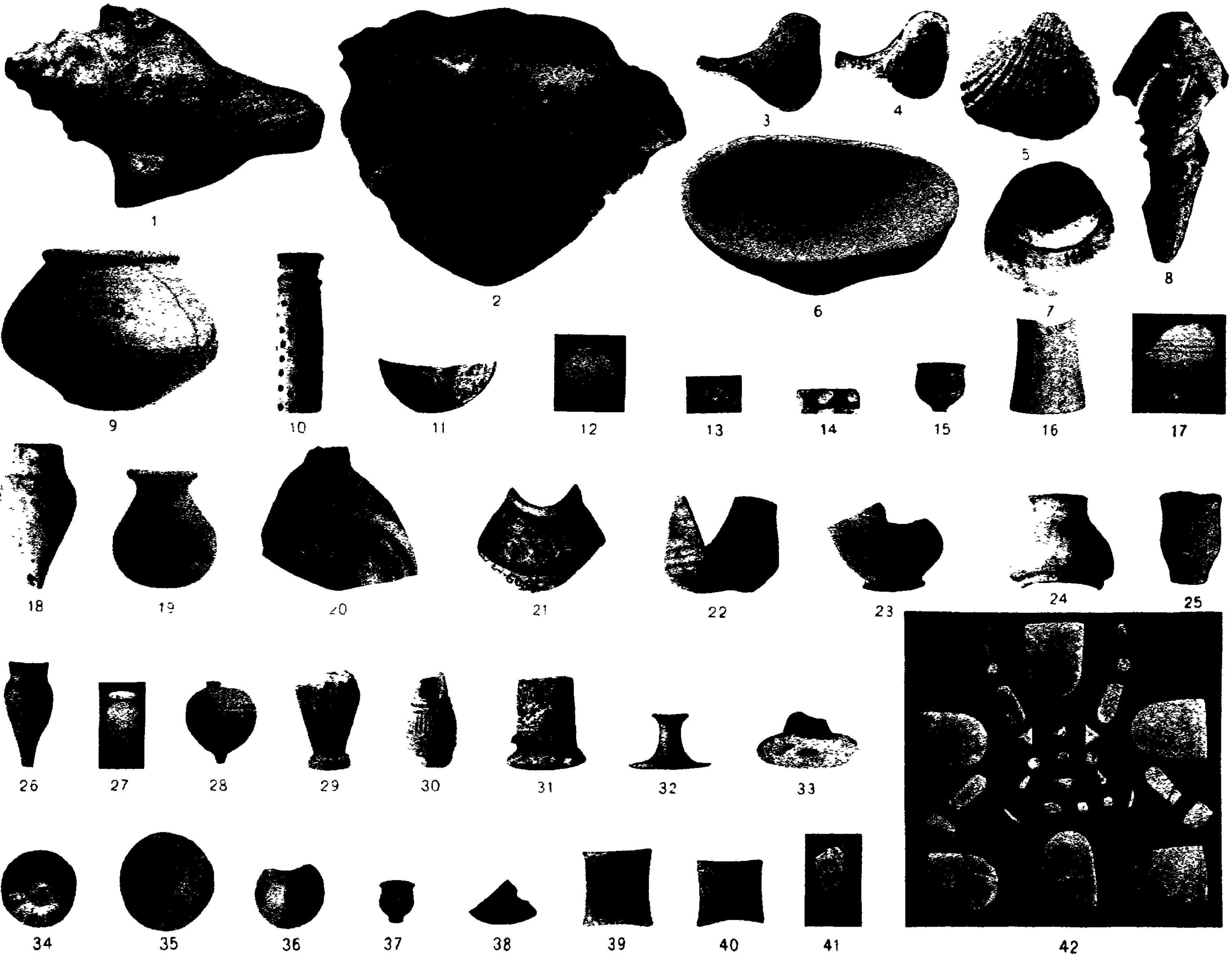

(a)


(b)


(c)


(d)

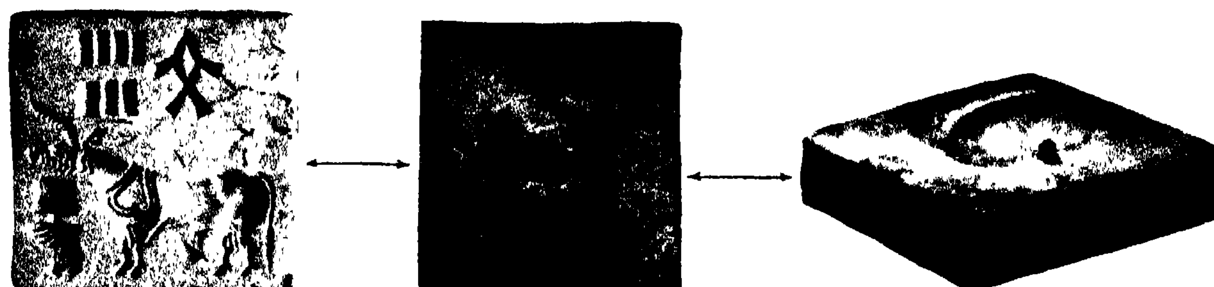
Statuette of grey stone No. Ab 959 from the central aisle of the Great Granary.



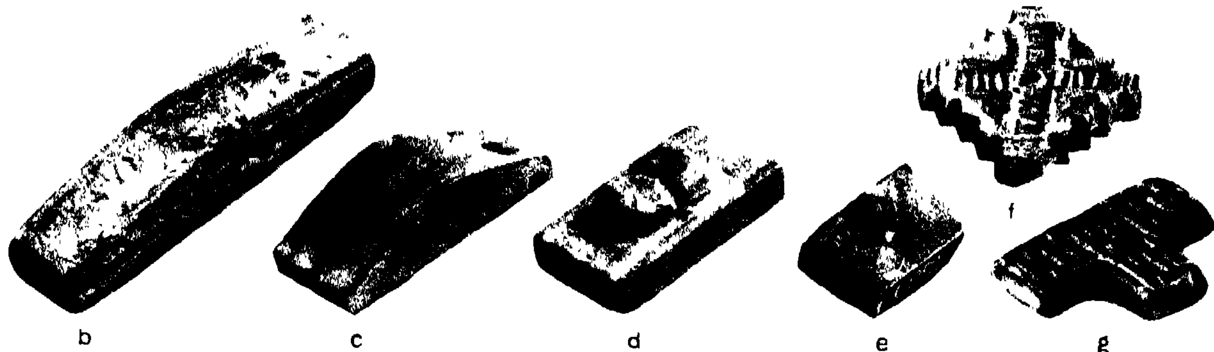
MISCELLANEOUS OBJECTS OF *sankh*, FAIENCE AND STONE.



STONE VESSELS, MACE-HEADS AND OBJECTS OF TECHNICAL INTEREST IN STONE AND FAIENCE.

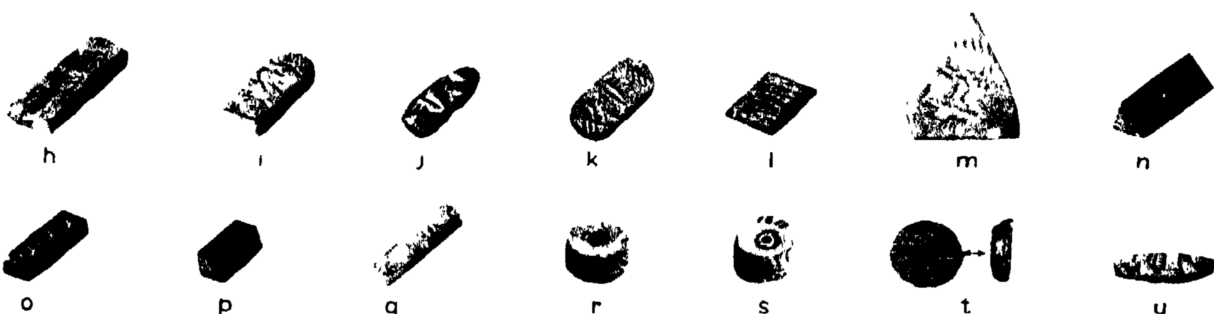


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b c d e g

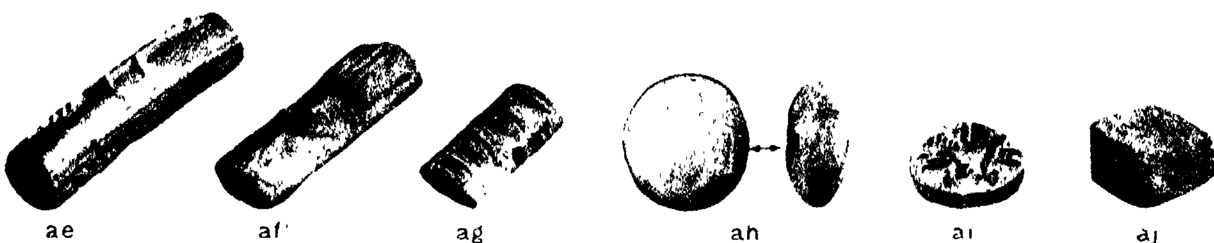


h i j k l m n

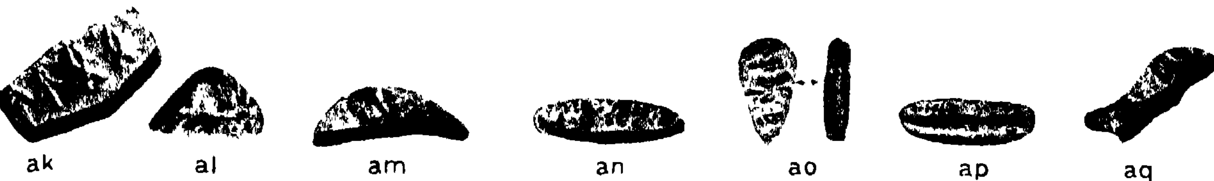
o p q r s t u



v w x y z aa ab ac ad



ae af ag ah ai aj



ak al am an ao ap aq


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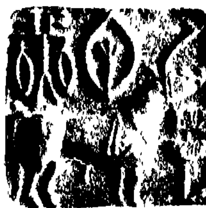

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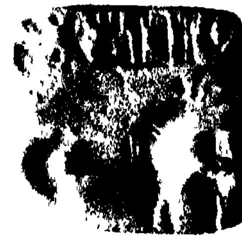

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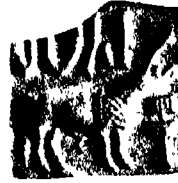

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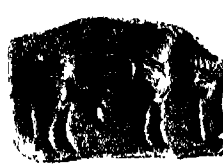

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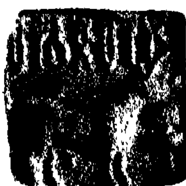

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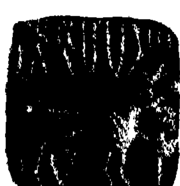

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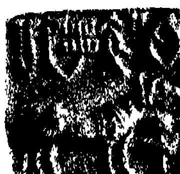

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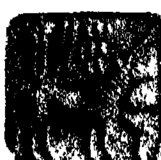

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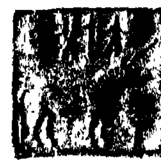

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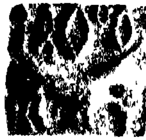

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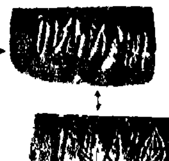

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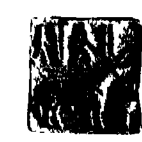

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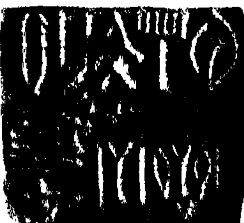

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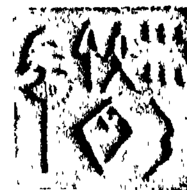

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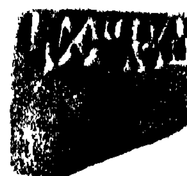

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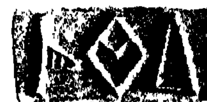

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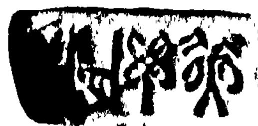

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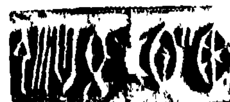
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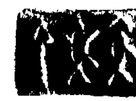
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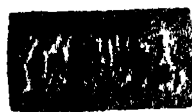

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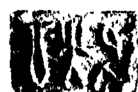

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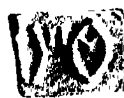

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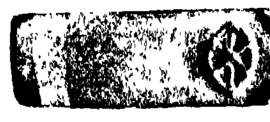

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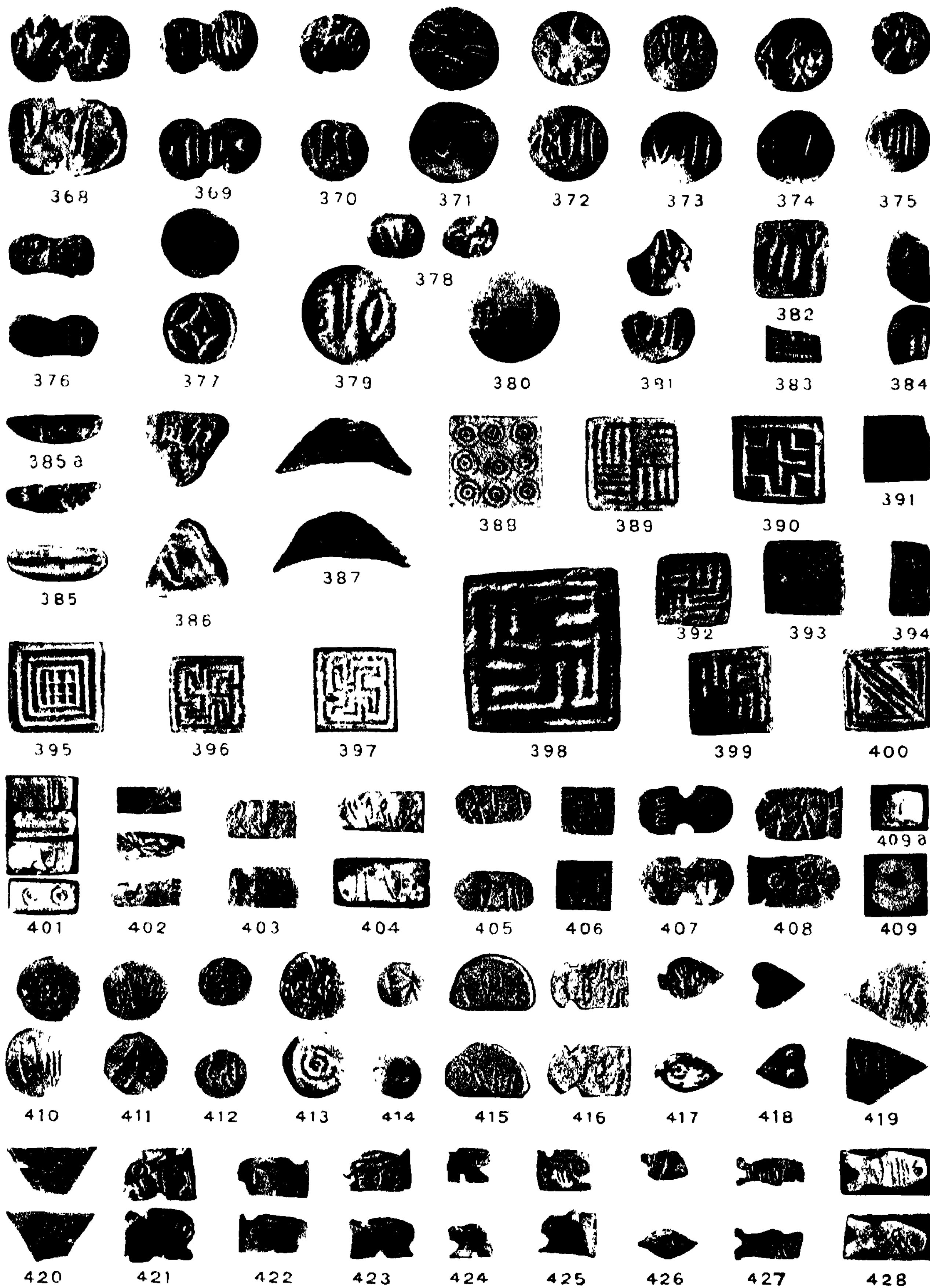

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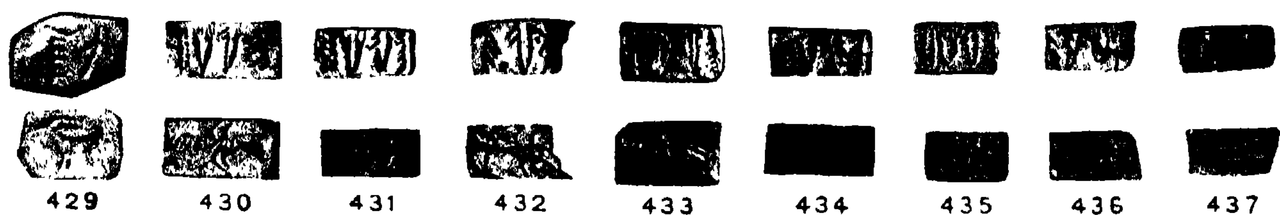

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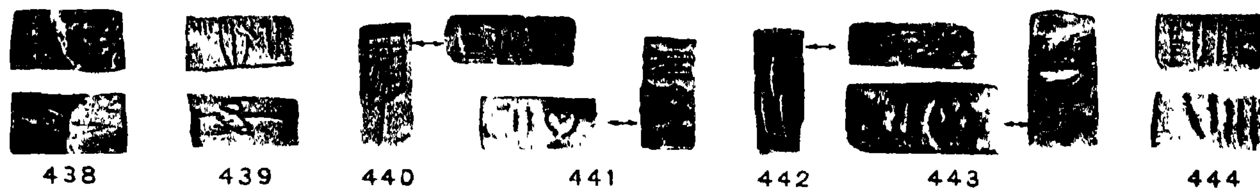

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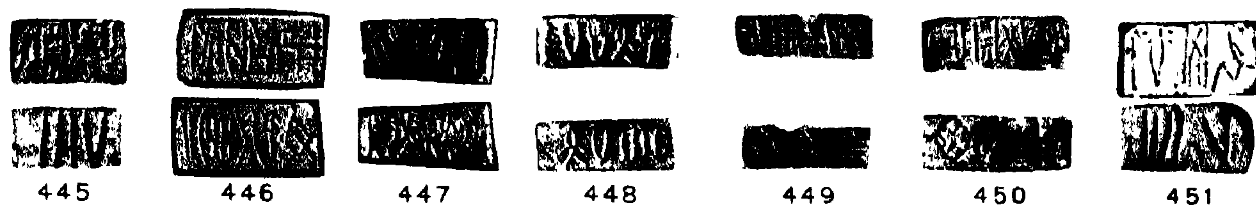

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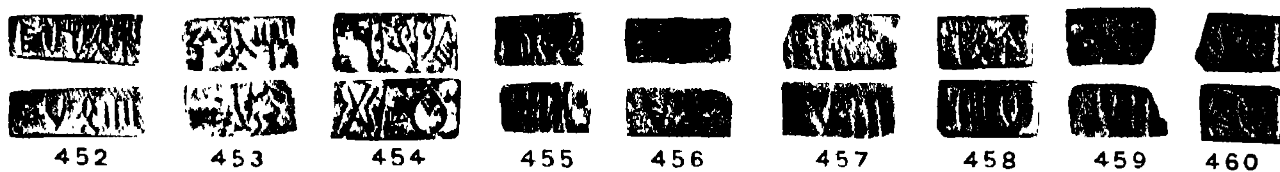

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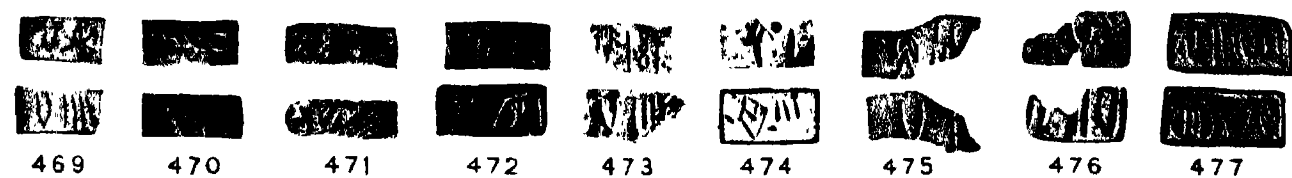

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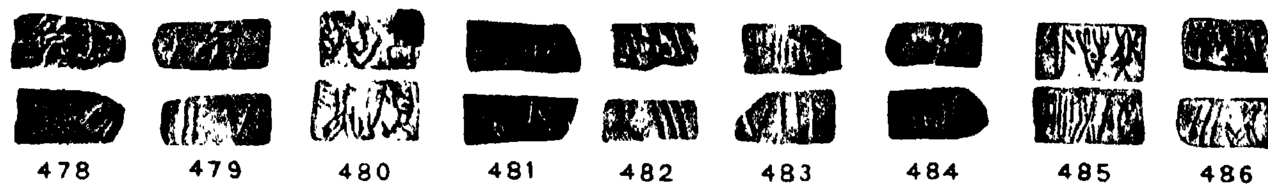

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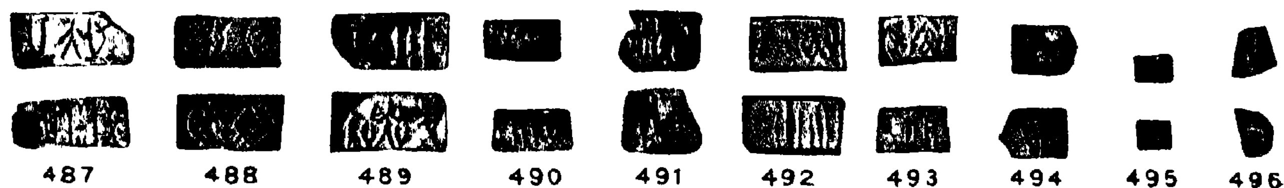

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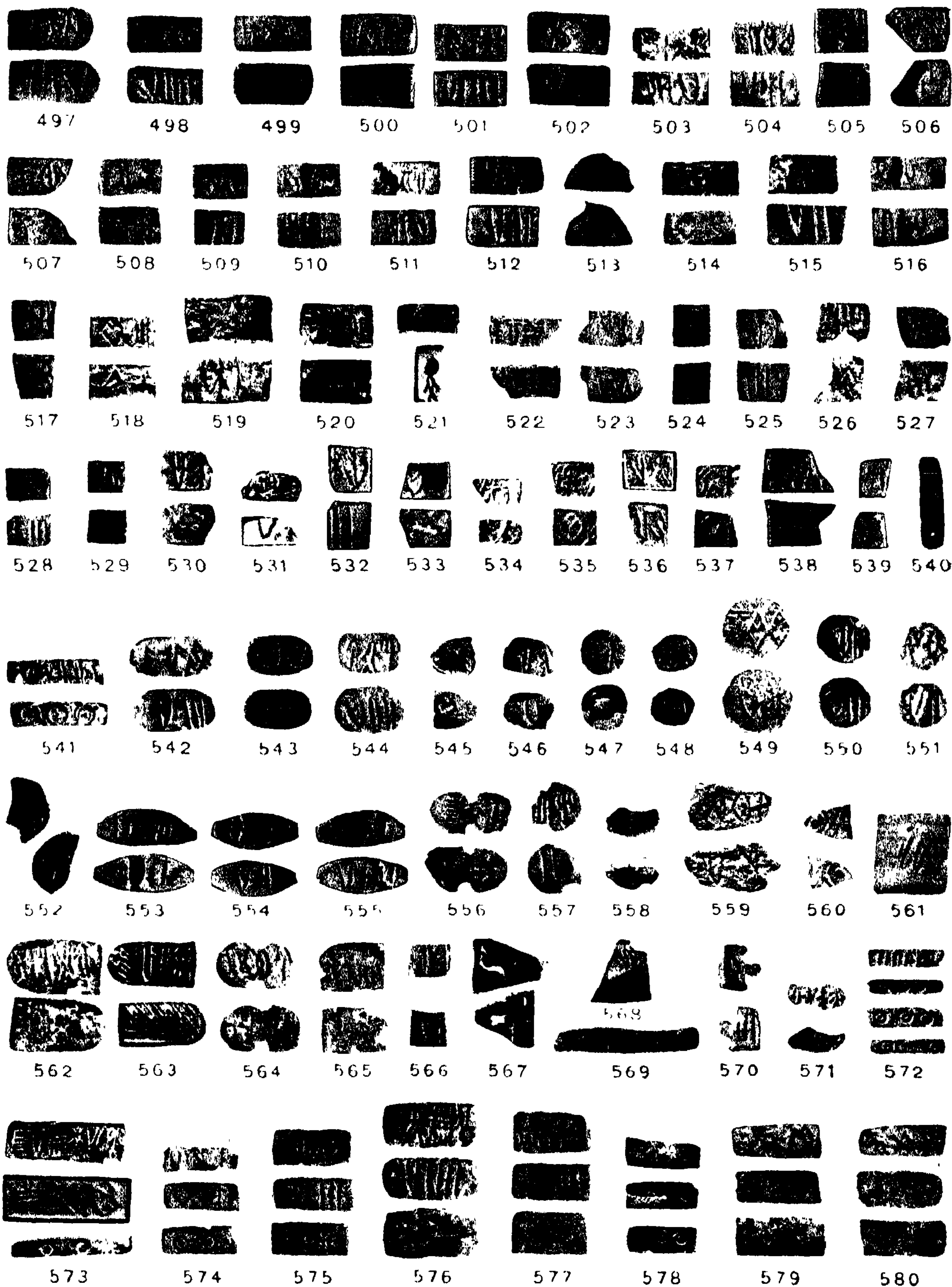

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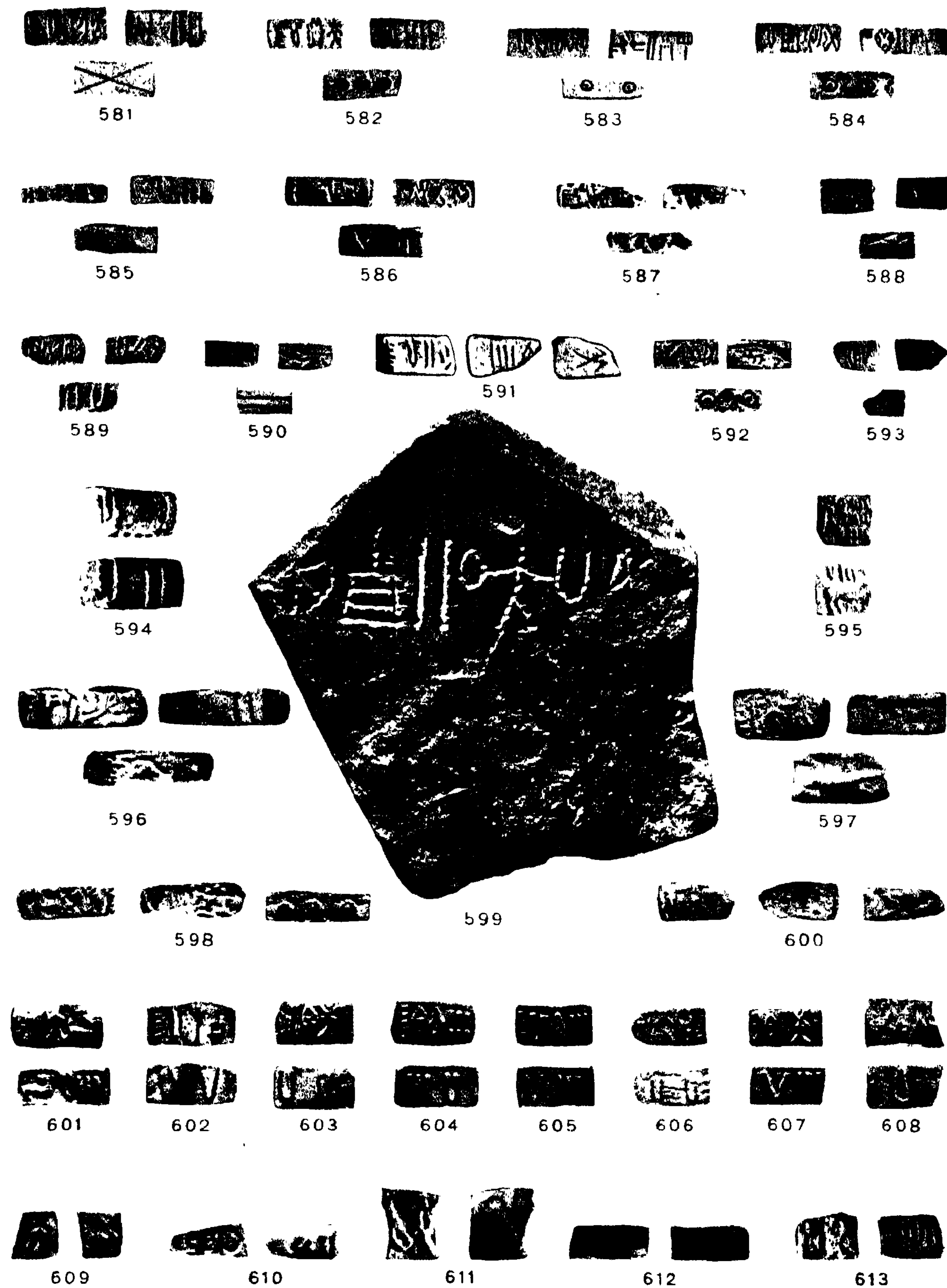

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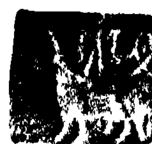

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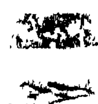

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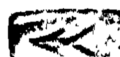

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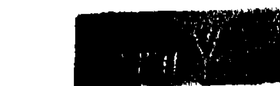

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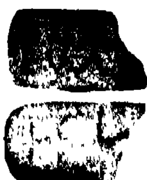
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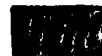
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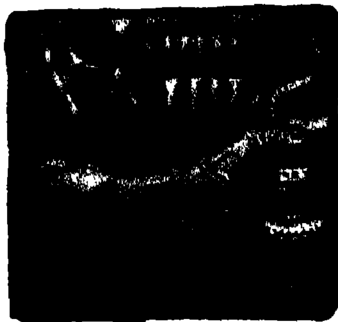







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SEALS, SEALINGS, INSCRIBED BALL AND POTTERY.



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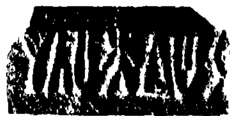
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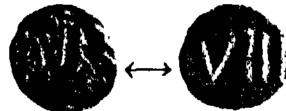
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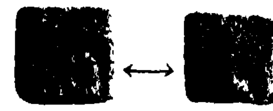
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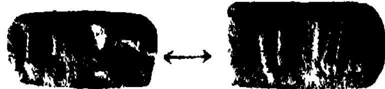
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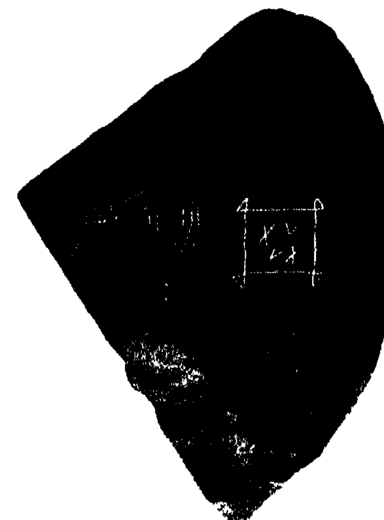
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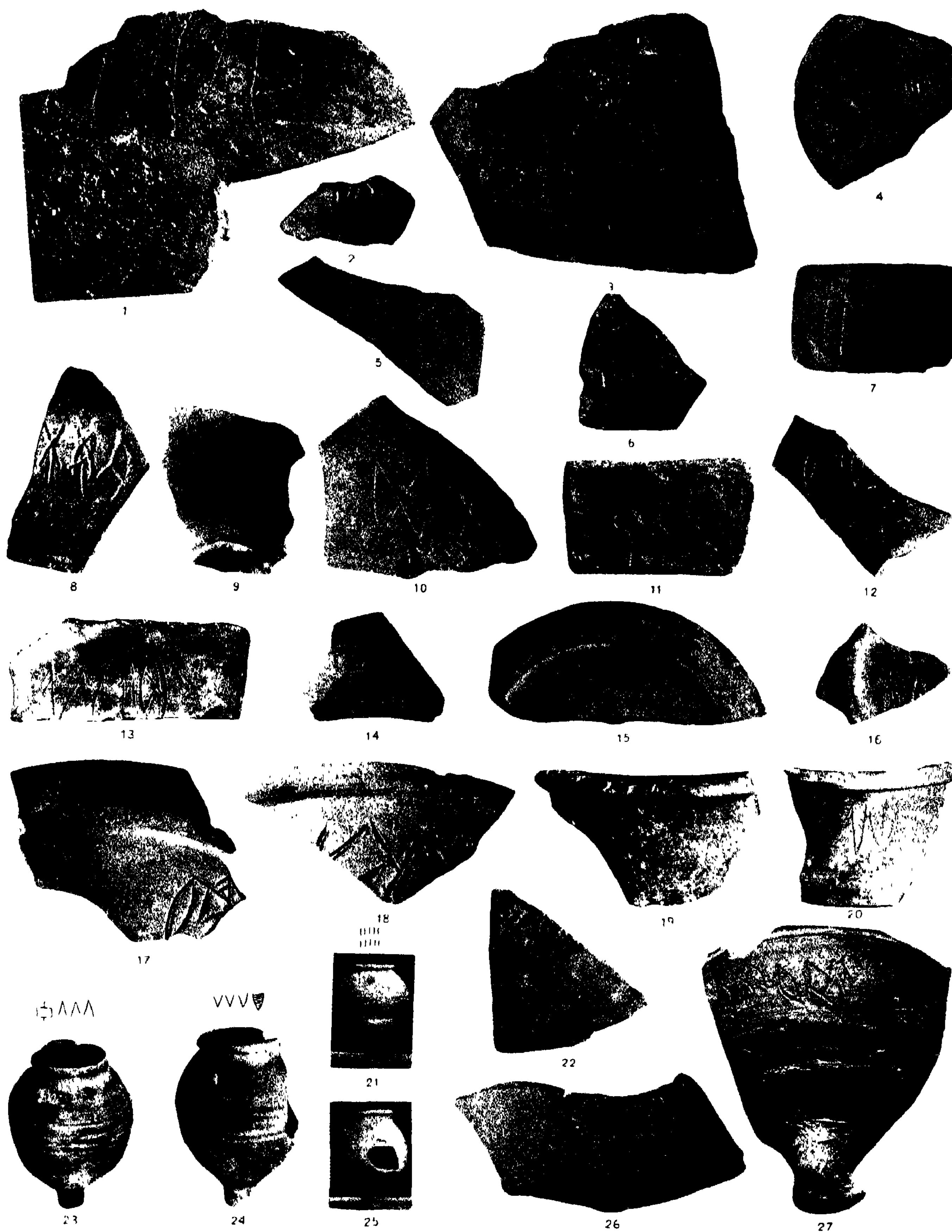


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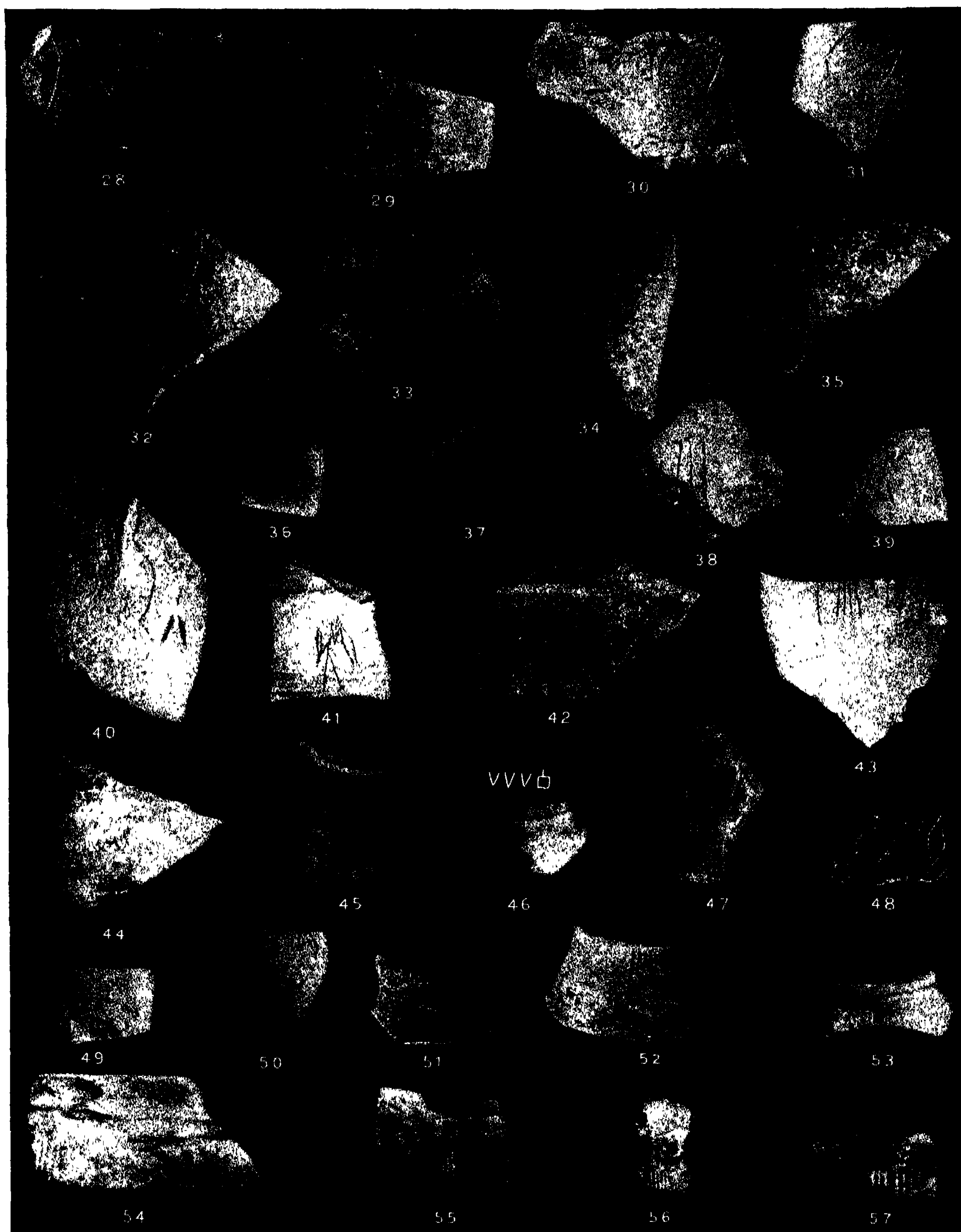


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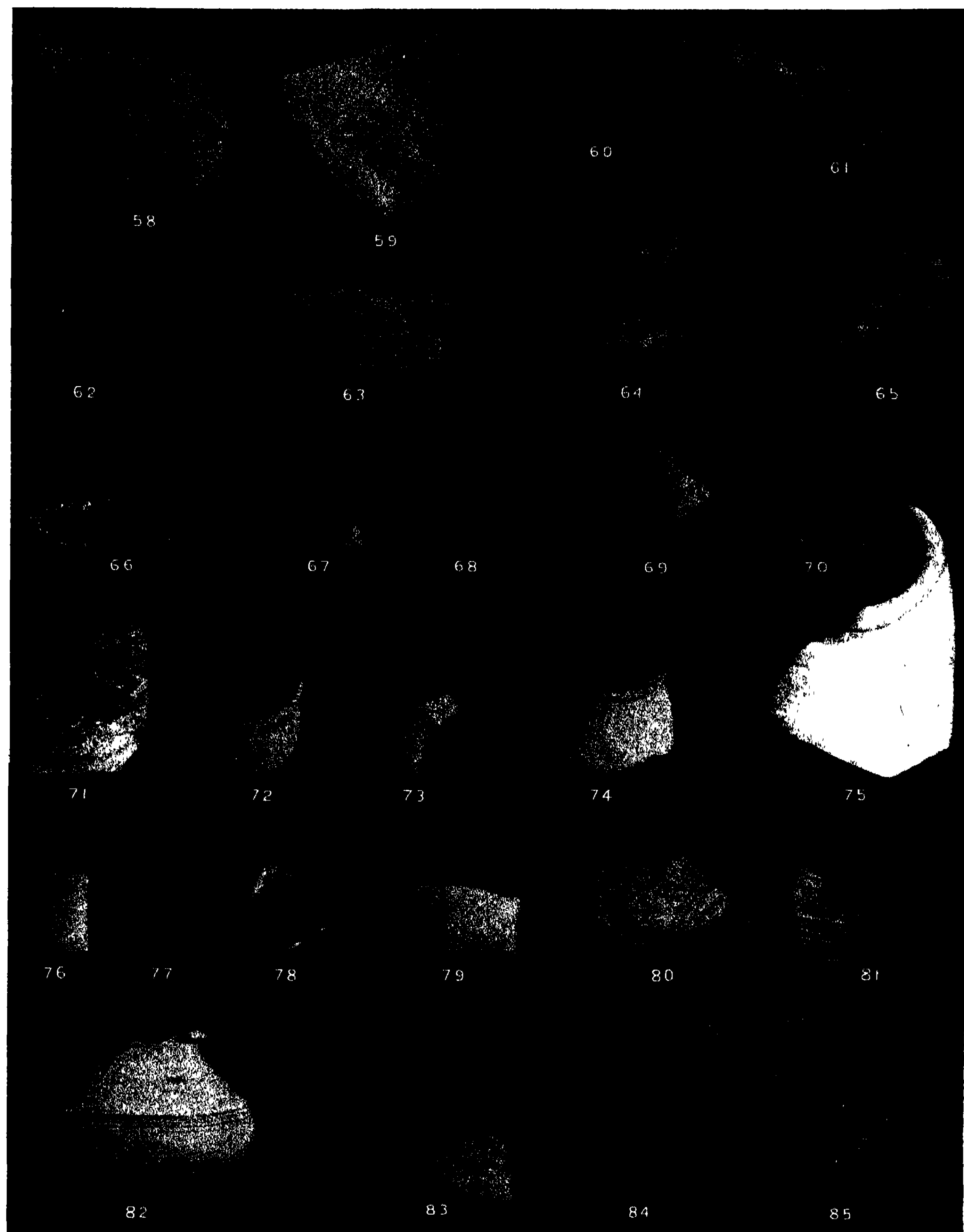
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INSCRIBED POTTERY.



INSCRIBED POTTERY AND THREE INSCRIBED FRAGMENTS OF STONE.



INSCRIBED POTTERY.

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G-217
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A(a)922
PIV-114
12493
7354

× 231

PI-42
5253

232

12575
2728
12035
8550(a)
8650(a)
12131
7008
11332
8053

× 233.

4965

234

6175
1055

× 236 × 237.

A 336
868

238

J-450
11626
11136
4552
12319
J-449
8650(a)
J-582
J-630
12377
5254
10010
10928(a)
11452
11518
11715
10185(c)
12327
12442(a)
12581
5498
7483

2891
5633
7546
21
2430
H-550
11798
10059
10814(a)
10928(a)
1235
11266(a)
11291
12185
12216
2858
A(a)279
4080
4631
5634
1419
7663
8800
11064
11449
11795
5617
11467
12750
4971
12461
J-359
5253
5974
8921
J-455
A 336
J-455
11849
3758
5388
H-160
10997
12538
2281

PII-21
G-104
B-1341
10361
10818
11757
12561
2531
J-409
4269
4276
H-643
A(a)12
A(a)113
10061
10167
11466
11853
1219
J-30
PI-44
A-441
4703
J-581
12132
5724
5810
7409
7591
868
A(a)22
117
12251
1200
1697
10965
11244
11333
12036
12548
12574
PII-23
J-213
5219
J-329

J-493
1646
J-494
4058
4078
4553
945
J-228
A-233
11077
12139
12154
2508
J-28
H-220
2266
J-463
H 60
B-summit
PI-2
146
10011
12537
540
4965
J-548
J-579
5436
8718
474
12066
8360
8650(e)
116
3170
7411
4531
7354

238.
483
10185(c)
10260

11331
114
1055
PIV-114

238ь
J-500
12416
10058
10960
G-257
5083
10086
1803
G-175
1500
1646
3482
2961
12414(e)
4991
J-462
J-46

238c
11440
3611
J-575
483
5201
12575
8650(e)
2257
3104
4075
11066
4017
8650(e)
2789
5880
A(b)130
J-41
4588
4041
1044
10186
11305

2728
627
3644
201
10185(e)
272
1240
5514
218
2700
11332
1785
11368
1056
7354

239
5499
H 60
1716

240
1692
4017
11368
12164
2961
4079
J-463
J-548
J-461
474
12721
A 263

240.
11768
12139
J-630
J-273
849
12066
8650(e)
×

241.
2960
7411

242
12099

242
H-220

243
5483

243a
G-175
243a
×

247
474

248
×

251
251
PI-39
117

251a
×
8650(e)

253
×
5483

255
11349
10060
11023
4531
J-361
8360
4043
11796

255a
12704
11417

256
5617
A(b)102
4917
10058
G-217
J-579
PII-21

Sign	Reference
	146
	7411
	11314
	3508
	J-402
257 × 260	2789
	B-1341
	8650(a)
	7155
260a	10994
	2177
	10195(a)
260b × 261a	11038
	1529
261b	111
261c	945
262	2879
	1259
	PIII-7
	3716
× 263a	11244
	11304
	[illegible]
	12066
264	8154
	11715
	12562
	10928(a)
	11390
	8800
	11004
	4971
265	10224
	11136
	12575
	12150
× 267	10010
268	11504
	1722
	1423
	4552
	11468
	279
	10195(c)
	10409
	12379
	12442(a)
	2891
	5498
	8650(a)
	1692
	1419
	10059
	4080
	11798
	10614(a)
	12549
	A(a)279
	1215
	2640
	10960
	J-359
	5617
	10058
	B-191
	1024[illegible]
	[illegible]
269	[illegible]
	[illegible]
	7183
	12101
	12216
	12750
269a	11795
	3758
	12538
269b	11330
	J-274
	H-550
270	2430
	A(a)97
	10103
	11756
	11291
	12416
	2482
	2868
	12461
	5388
270a	11696
	2125
	10359
	10830
	[illegible]667
	4631
	1917
	5974
	8650(a)
270b	[illegible]
	2981
270c	11417
	8650(a)
271	J-233
	1714
	11467
	12415(a)
272	A(a)130
272a	517
273	1082
	1259
273a	2118
	PI-10
	PIII-7
	11458
274	3725
	FII-1
	1199
	27[illegible]
	PI-21
275a	10176
	9015
	J-394
× 277	1009
	2540
	A(a)553
	3771
	4965
279	10960
281	9059
281a	11339
	[illegible]
283	1771
	PI-7
	8(a)[illegible]
	4078
	H-643
	1592
	116
283a	11476
	A(a)106
	3482
	3[illegible]03
	J-228
	11064
	PI-41
	[illegible]
	J-523

Sign	Text no.
	12216
	J-575
	10242
	12537
	[illegible]
	[illegible]
	[illegible]
283b	3716
292	J-462
293	2632
	2960
	[illegible]
	J-575
	[illegible]
	[illegible]
	3508
	[illegible]
	2679
	10749
293a	Pn-38
294	J-582
	1419
	11077
	[illegible]
	[illegible]
295	[illegible]
295a	10185(c)
296	[illegible]
297	[illegible]
299	12427
	[illegible]
	[illegible]
	1056
	5880
	741

Sign	Text no.
	1498
	Pn-71
	517
	5974
	627
301	8718
304	12099
	12715
	A-441
	A6106
	J-630
	12377
	J-455
	7354
	2261
	11597
305	1372
307	[illegible]
	3..08
308	Piv-09
	[illegible]
	D-18
	J-20
	4991
	1056
	Piv-114
309	11458
	A-263
310	649
312	4965
312a	4531
313	Pl-39
314	J-630
	12377

Sign	Text no.
314	12442(a)
	4080
	8150
	J-455
	10010
	1235
314b	4031
	[illegible]
	12581
	5810
314c	J-449
317	[illegible]
	11467
	12538
	180
317b	2281
318	[illegible]
322	1329
	J-493
	8921
322a	12216
323	Pl-39
323a	1285
324	10409
	12262
	11077
	2187
	12115(a)
	5974
	2785
	12747
324a	4631
	I-359

Sign	Text no.
325	145
325a	617
	5399
	8650(a)
326	12150
	5253
	4159
	Pl-47
327	8053
	1-581
331	10086
	11516
	[illegible]
	[illegible]
	11149
	[illegible]
	D-19
	[illegible]
	Pl-44
	[illegible]
	J-402
	11134
	[illegible]
	10080
	11559
	12549
	[illegible]
	10310
	10625
	A-233
	8650(c)
	11795
	12415(a)
	11159
	A-336
	11391
	10142
	10137
	2463
	A6102
	11077

Sign	Seal numbers
	7006, J-500, 10058, G-217, 5436, 5254, 12538, 10185(a), 2789, 4531, 10102, 11849, 145, 4079, 11331, 116, 8360, A(a)130, 3170, J-273, 7411, 7354, A(i)16, 115, 781, 12751, 8650(a), 11330, 483
331.	1722
333	12131, 4042, PIV-114
333.	2879
334	A(i)97
335.	169.
337	2930
338	11467, 3725, 11381, 7060, 11714, 9015, 6718, 4917, 11369, 180, 10695
339	11027, PII-1, 9015, 4965, 2390, 5634, 11449, 10835(a), 5551, 10625, 10997, 8080, 5498
339.	A(a)553
340	3961
340.	11368, 4079
340b	10224
341	10186, 2390, 2728, 5498, 8650(a), 1419, G-175, 1009, 4396, 117
	10185(a), 1646, 10928(a), 10986, 11266(a), 11381, 12131, 12538, G-290, 3508, 11369, 11768, 8921, 145, H-220, 3758, 10695, J-182, J-579, 1055, J-46, 11458, 474, PII 21, J-273, 7354, J-580, 12185, 1274, J-575, J-582, 2786, 116, 5254, 8650(a)
341. 344	12002, A(i)22, 398, 1199, 5551, 11368, J-274, 11359
	114
345	6880
346	4396, 1697, 10928(a), 8800, 398, 12548, 1646, A-336, A(a)553, 10137, 5388, 945, 1240, 10997, 11942, A(a)972, 116, 2786, 12131, 3725, 10011, 8650(a), J-273, 12493, A(a)130, 11392, 10831
346.	PI-4
349	2254, B-101, 517
356.	11331
359	A(a)130
360.	PI-2
365.	3459

Sign	Text No.
365	7786
369	J-494
369	11795
369	[illegible]
370	10359, 2367, [illegible], 5617, [illegible], [illegible], [illegible], 3975, [illegible], [illegible], 11849, 12179
370	10363
370	1423
371	5367
372	2789
377	10260, PII-71, 272, 11696
377	11341
377	J-500
378	J-548, B-234, PIII-7, PI-40, 3772
378	1419, 12139
378	2731
378	3757
379	8650
382	11449
383	4588, 10186, 8800, 12750, 11417, 1200, 4971
383	7409, 5724, 5617, 3803, 4553, 1500, 7663, 12414, H-160, J-361, 474, J-46
383	11022, 8650
383	3975
386	1580, 8154, 8650, G-107, J-322, 12180, 2254, 2367
386	2177, 2463, 649, 10185
386	12002, 7006
386	A103, 2789, 4079
388	H-60, [illegible], 11390, [illegible], [illegible], H-637, 8350, 3145, 867, 11756
388	11468, 10178, J-219, [illegible], 7098, [illegible], 2867
388	[illegible], 2462, J-283, 11377, 12215, 1179, 2257, 10830
389	11110
391	11796
393	J-20
395	12752, PIII-38, 5399, 10831, B-107, [illegible], [illegible], [illegible], [illegible]
397	10361, 12414, [illegible]
397	[illegible]
398	[illegible]
399	[illegible]
400	11449
401	10185
402	[illegible], 10779
403	11715
404	4041
404	12251
405	7787
406	2785
407	1498
407	12576
408	J-274
409	11850, 2632

Sign No.	Seal No.
409.	11392
	5211
410	12493
	3758
411	A-263
412	2430
413	1019.9
414	J-159
	7411
	2785
415	A-1179
416	4051
417	1166
418	12570
419	3644
	11343
	10212
420	11490
	12461
421	10840
422	8650(a)
	116
423	4078
	11853
	4767
	12537
	B-191
424	4531
425	3170
426	354
	A(a)922
427	2571
428	11377
429	1055
430	2867
431	2891
432	11379
433	9041
434	B-951
435	12416
436	12752
437	H-80
	4076
	3757
	11695
437a	G-290
+ 438	12414(a)
	PH-23
	5488
	5436
	3716
	10929
	94
	11705
	D-38
	5399
	H-160
	A(a)563
	A(a)922
438a	180
+ 439	398
	3725
+ 440	A(a)62
	J-548
+ 441	5975
	11064
	10162
	10614(a)
	1055
	H-611
	12748
	12119
	12164
	7266
	11168
	2540
	649
	J-73
	4179
	11850
	H-441(a)
	11852
	J-481
	4015
	A-214
	4042
441a	5219
	11849
	12377
442	J-20
443	5253
444	J-466
445	10960
446	10960
447	4531
448	12415(a)
449	B-234
450	2187

Sign Manual Ends.

INSCRIPTIONS COMMON TO HARAPPA AND MOHENJO-DARO

Harappa Photo No. of Seal.	Inscription.	M. I. C Photo No. of Seal.
166		287
211		168
629		366
18		5
374 *		261
286		252
246		169

* This is a Seal Impression

+ The following signs also occur at Mohenjo-daro but are not shown separately in M. I. C.

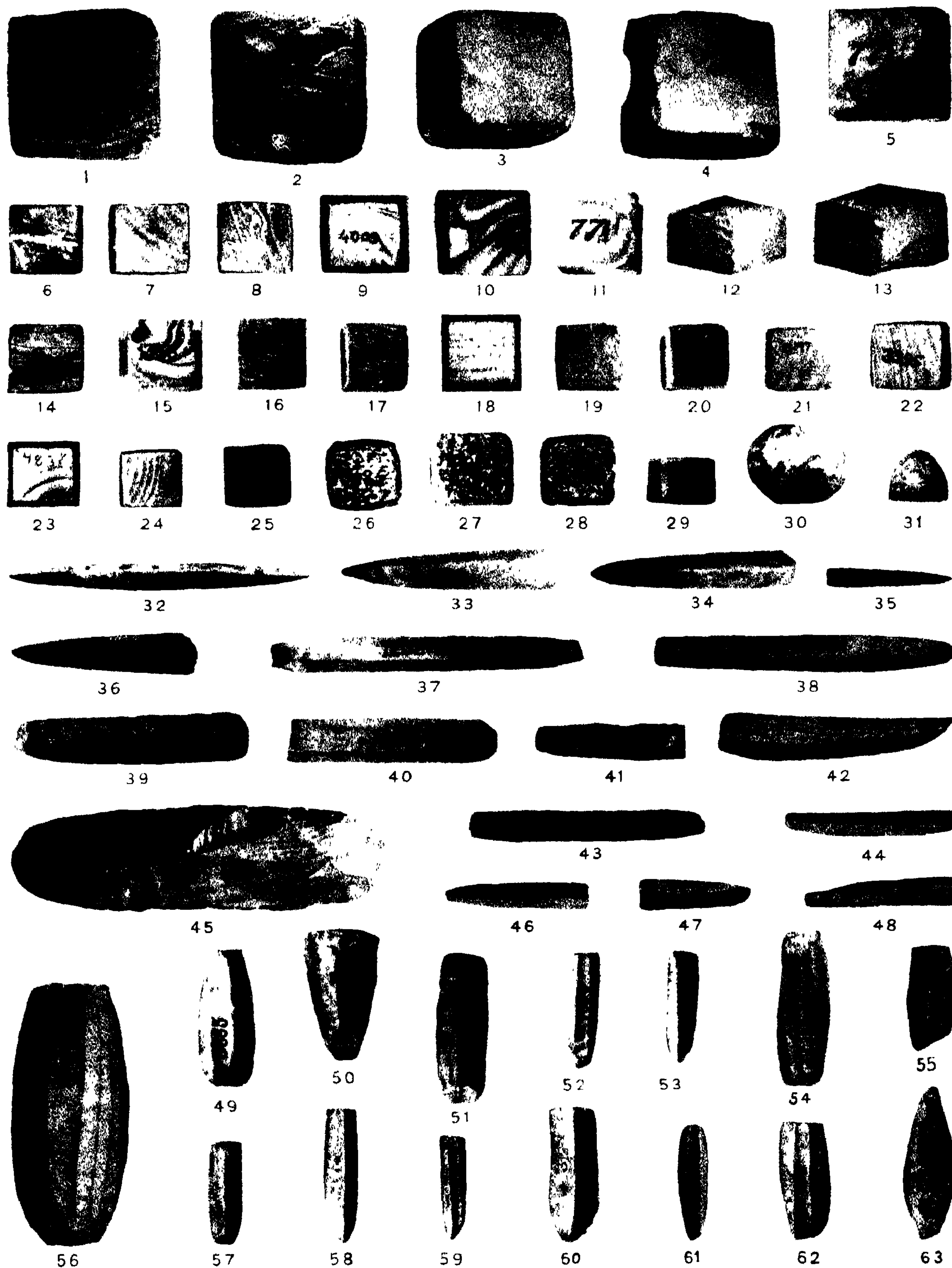
Harappa Sign No.	Sign	M. I. C Photo No. of Seal.
40a		394
295a		550
383a		28
438		H150 (Pl. CXIX, under Sign No. 2)
439		6
440		451
441		220

Signs found only at Mohenjo-daro.

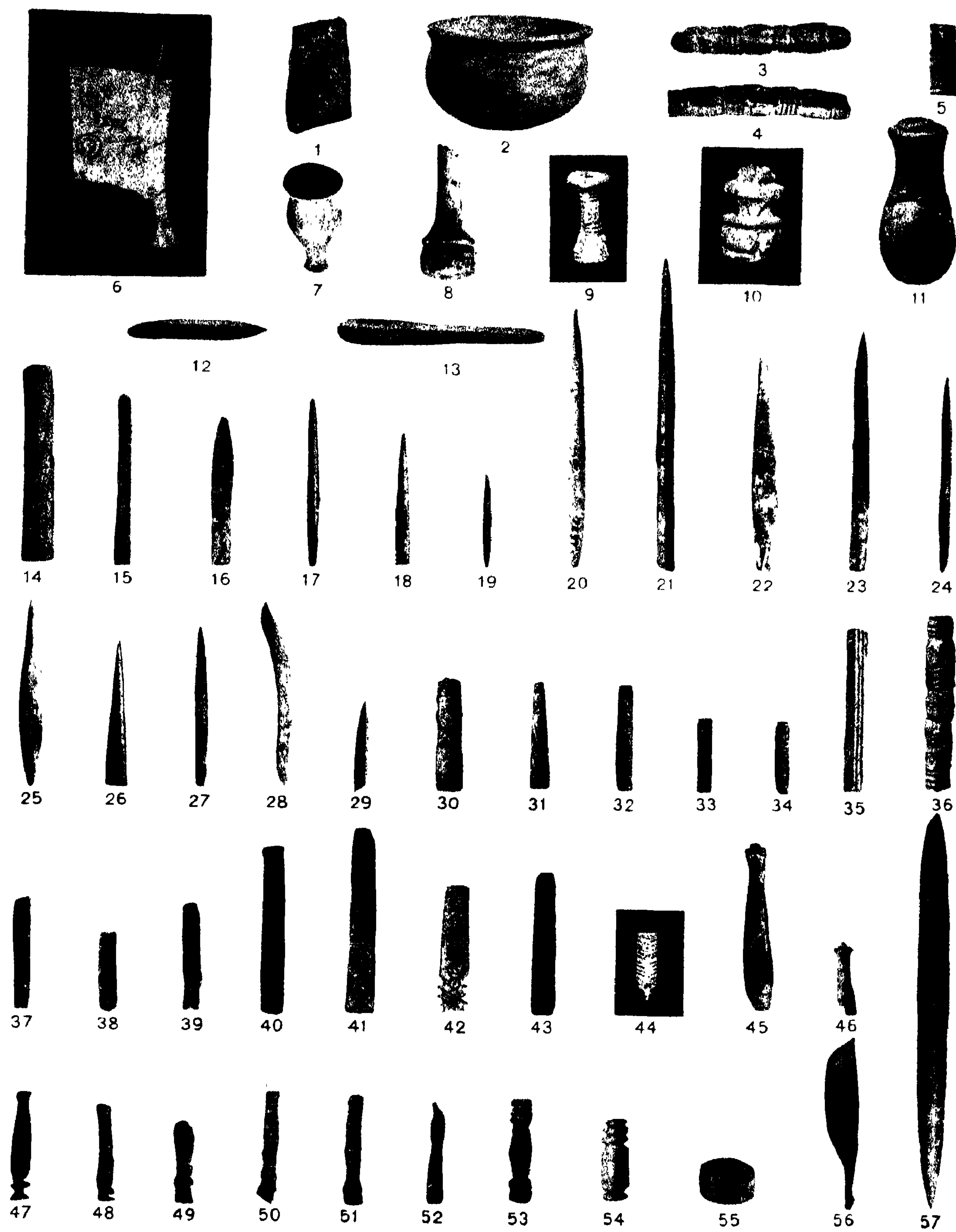
Sign.	Mohenjo-daro Seal No.
	539
	325



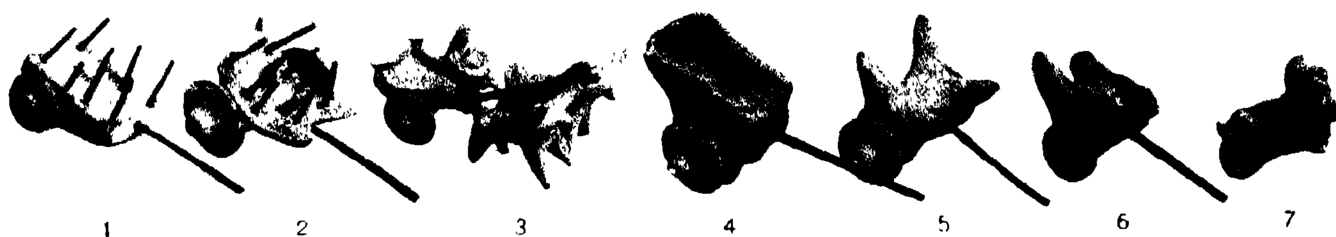
MISCELLANEOUS CULT AND HOUSEHOLD OBJECTS.

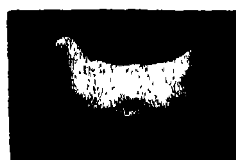


STONE AND CHERT WEIGHTS, POLISHERS, KNIVES, CORES AND AN ARROWHEAD.



Bone and ivory objects.







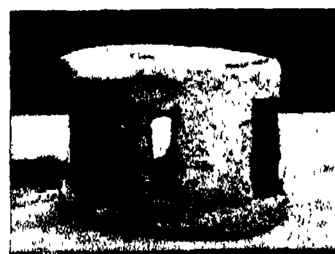




















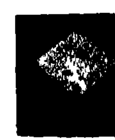
















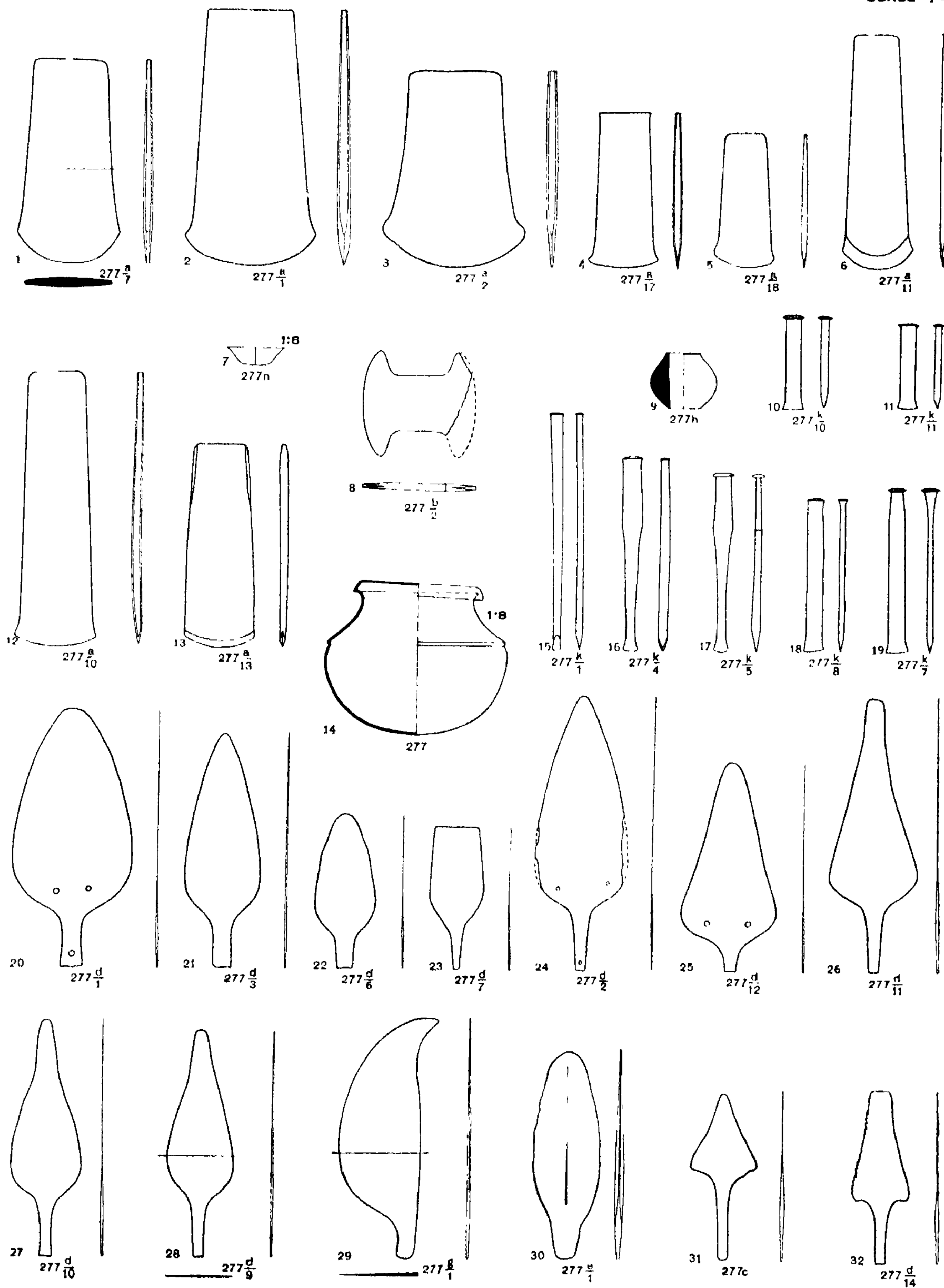




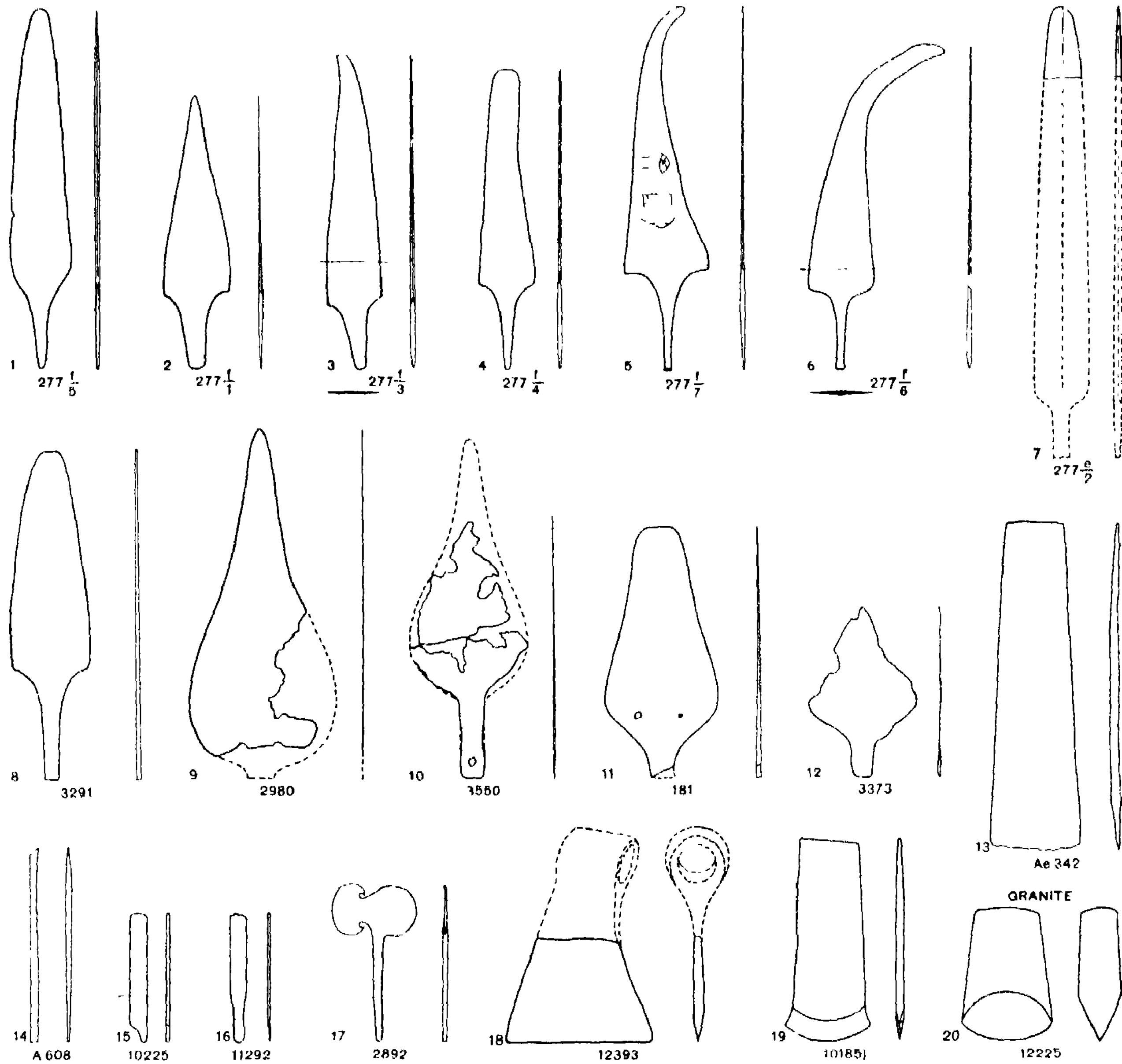

PLAYTHINGS AND GAMESMEN.

COPPER JAR No. 277 & ITS CONTENTS

SCALE 1:4



COPPER & BRONZE WEAPONS, IMPLEMENTS, & UTENSILS



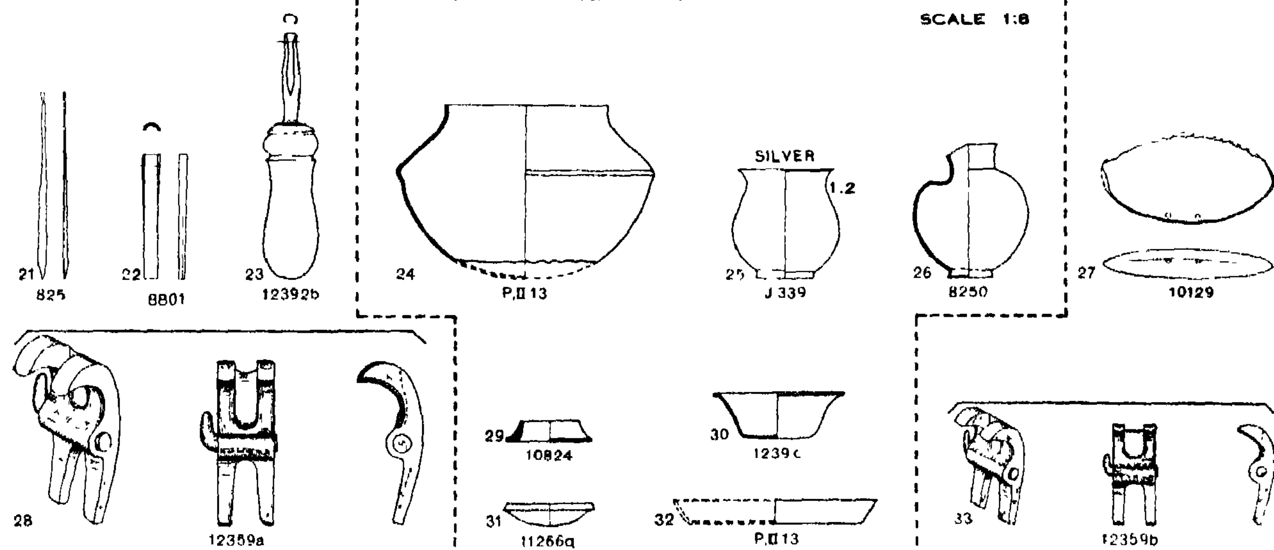
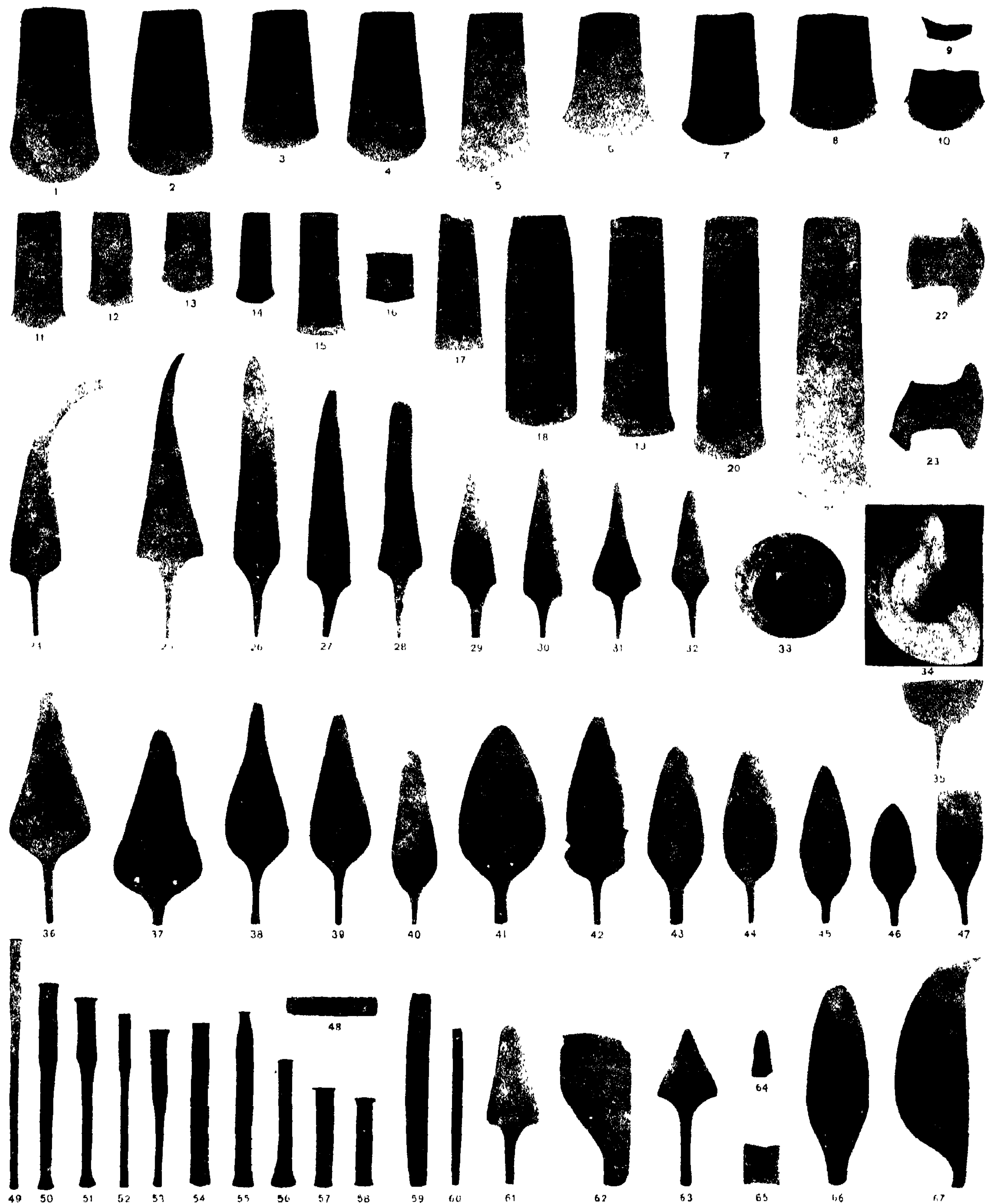
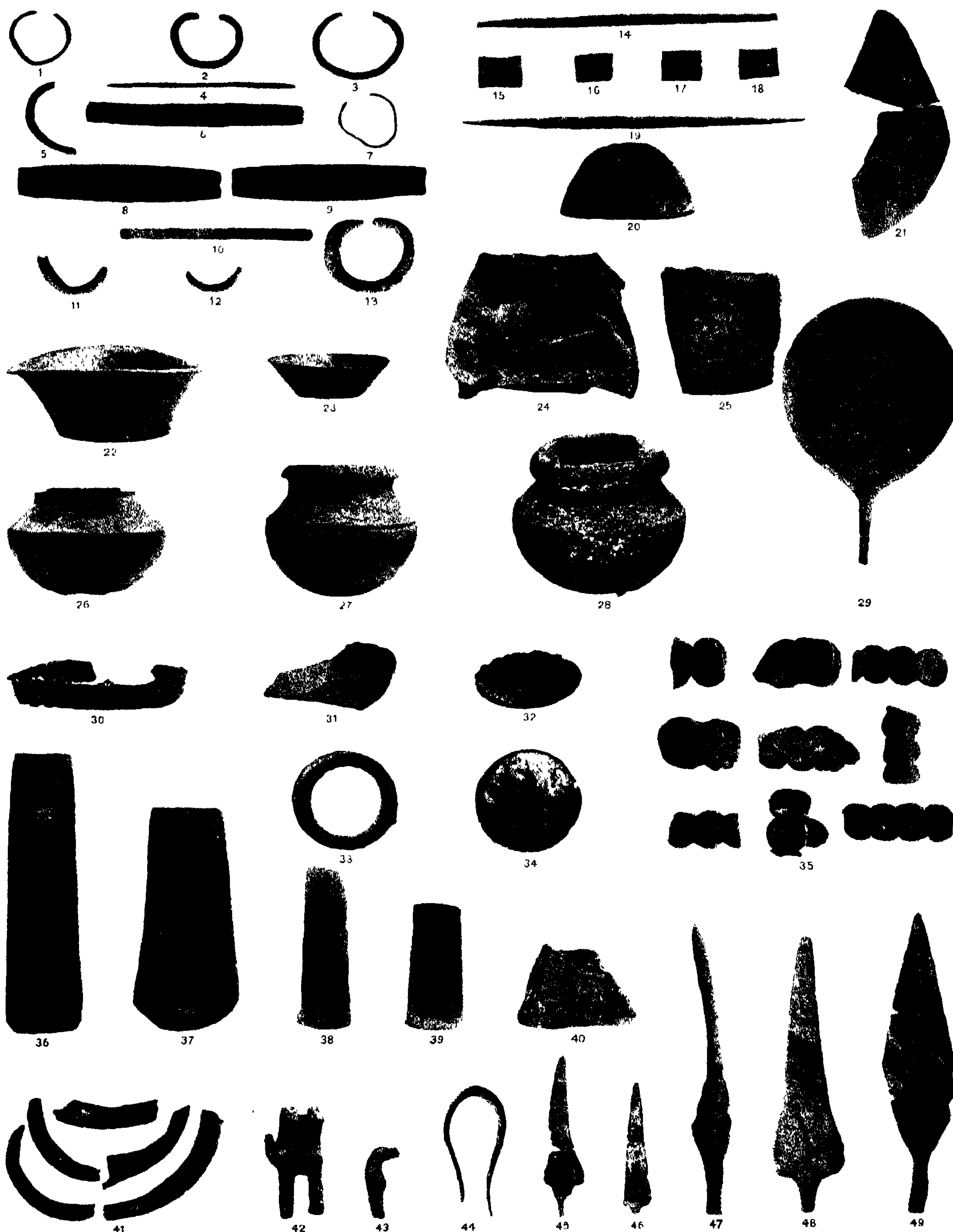


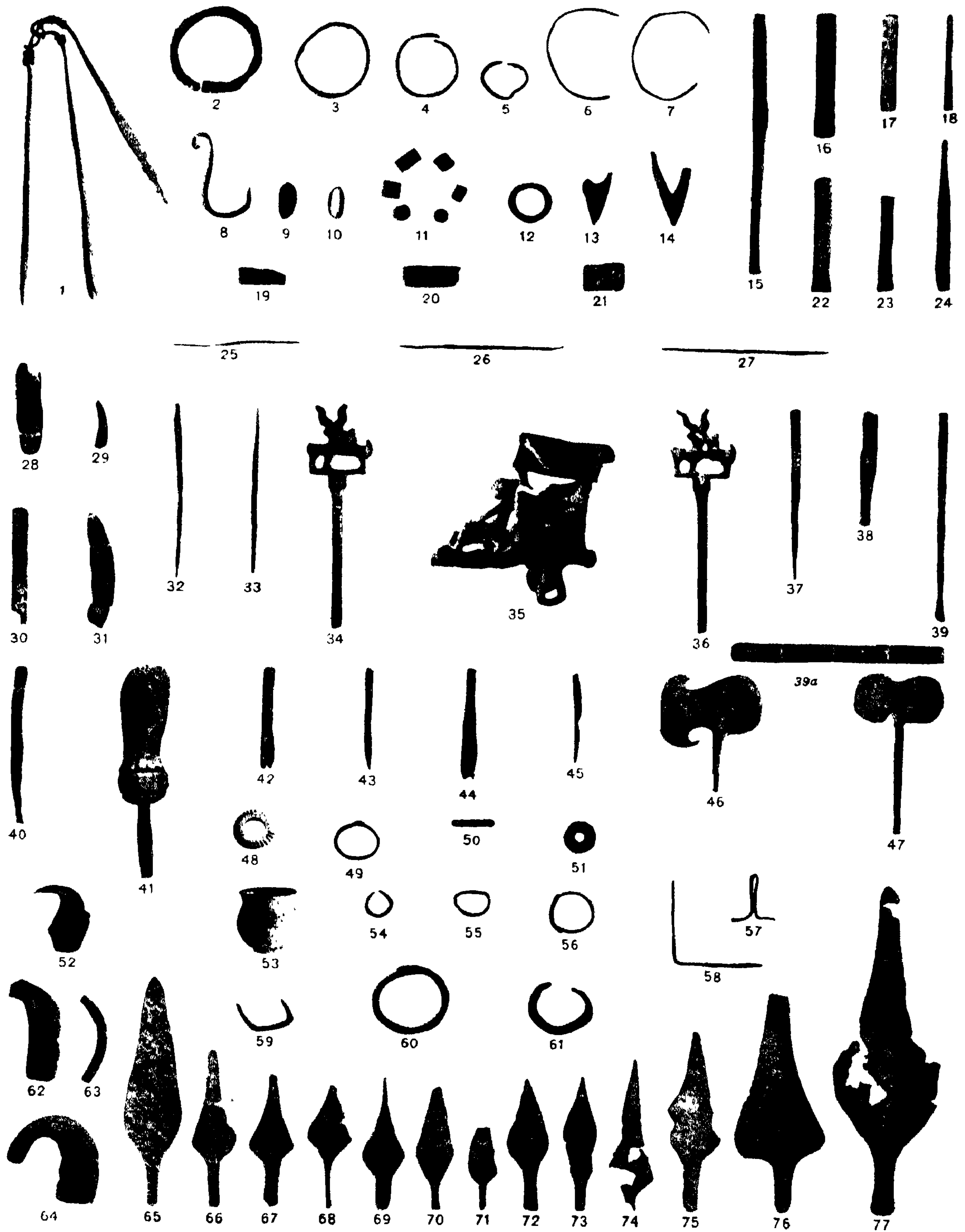
PLATE CXXIII.



CONTENTS OF COPPER JAR No. 277 AND MARBLE MACE-HEAD No. 573.



COPPER AND BRONZE ORNAMENTS, UTENSILS, IMPLEMENTS, WEAPONS, ETC.



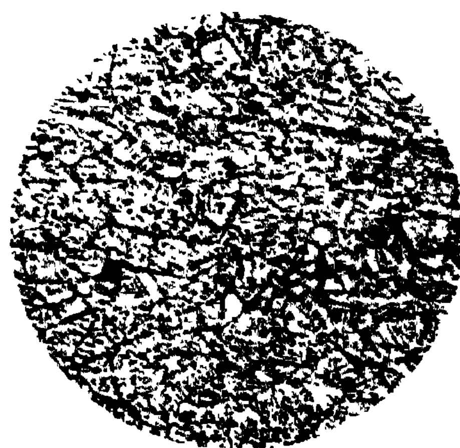
COPPER, BRONZE, SILVER AND GOLD OBJECTS.



No. 1
AFTER LIGHT ETCHING MAGN. × 200



No. 3
MAGNIFICATION × 10



No. 5
MAGNIFICATION × 100.

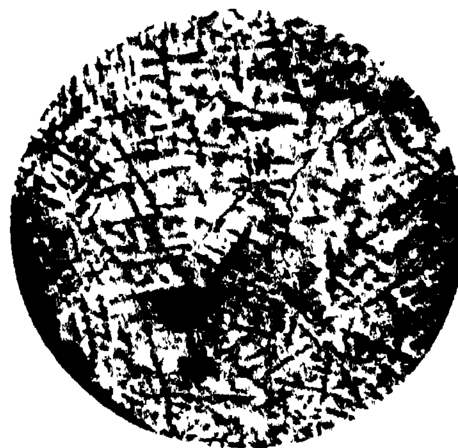


No. 7
MAGNIFICATION × 500.

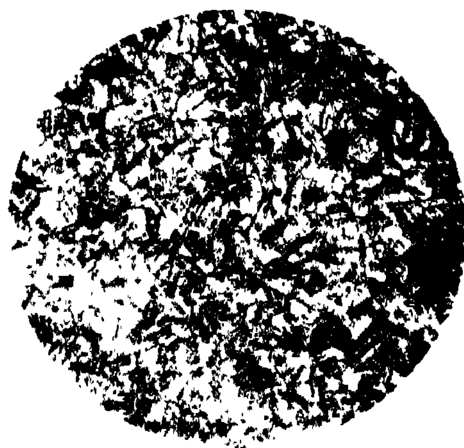
MICROPHOTOGRAPHS OF SPECIMEN 'X' (CHISEL).



No 2
AFTER LIGHT ETCHING MAGN. × 200



No 4
MAGNIFICATION × 10.

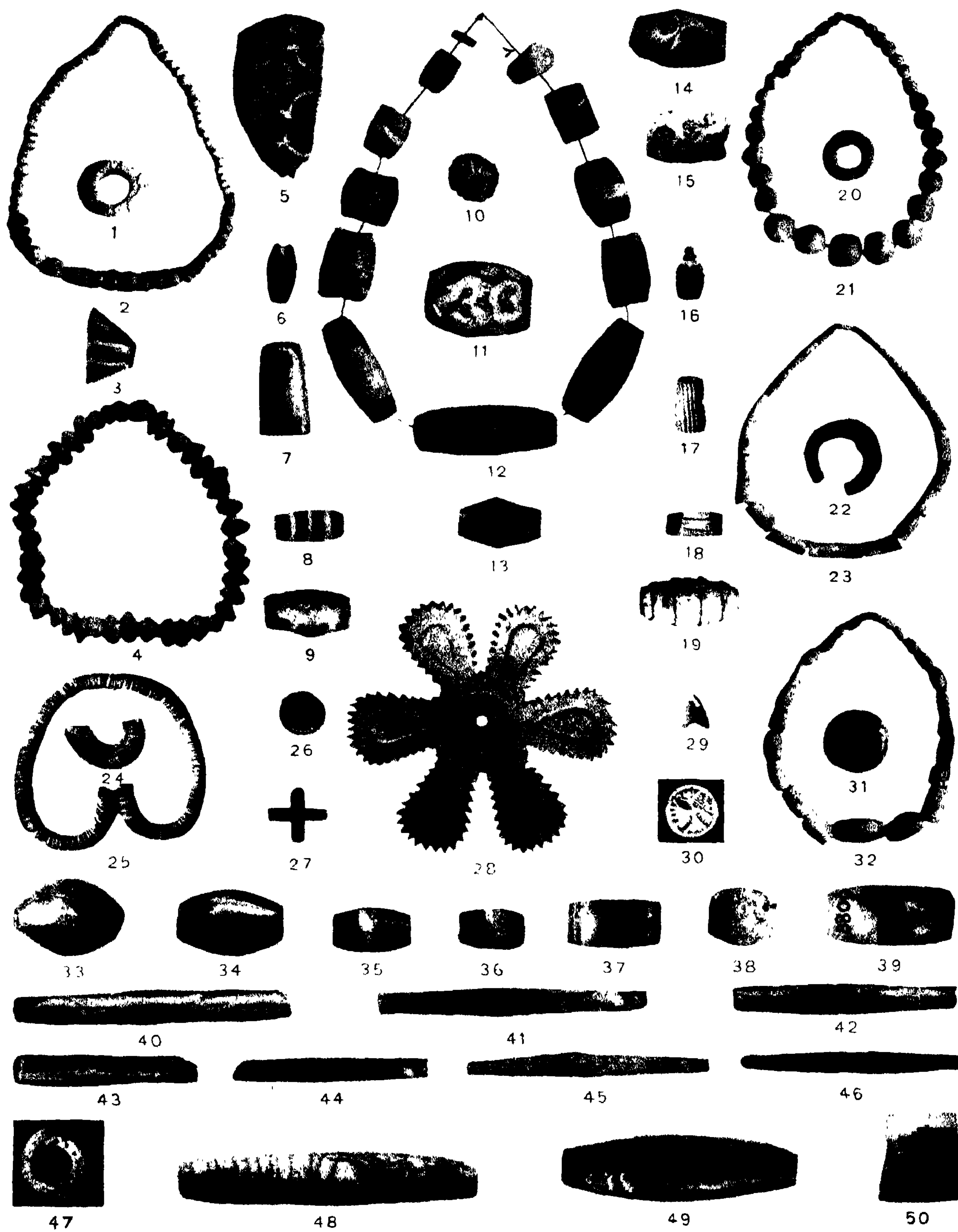


No. 6.
MAGNIFICATION × 100.

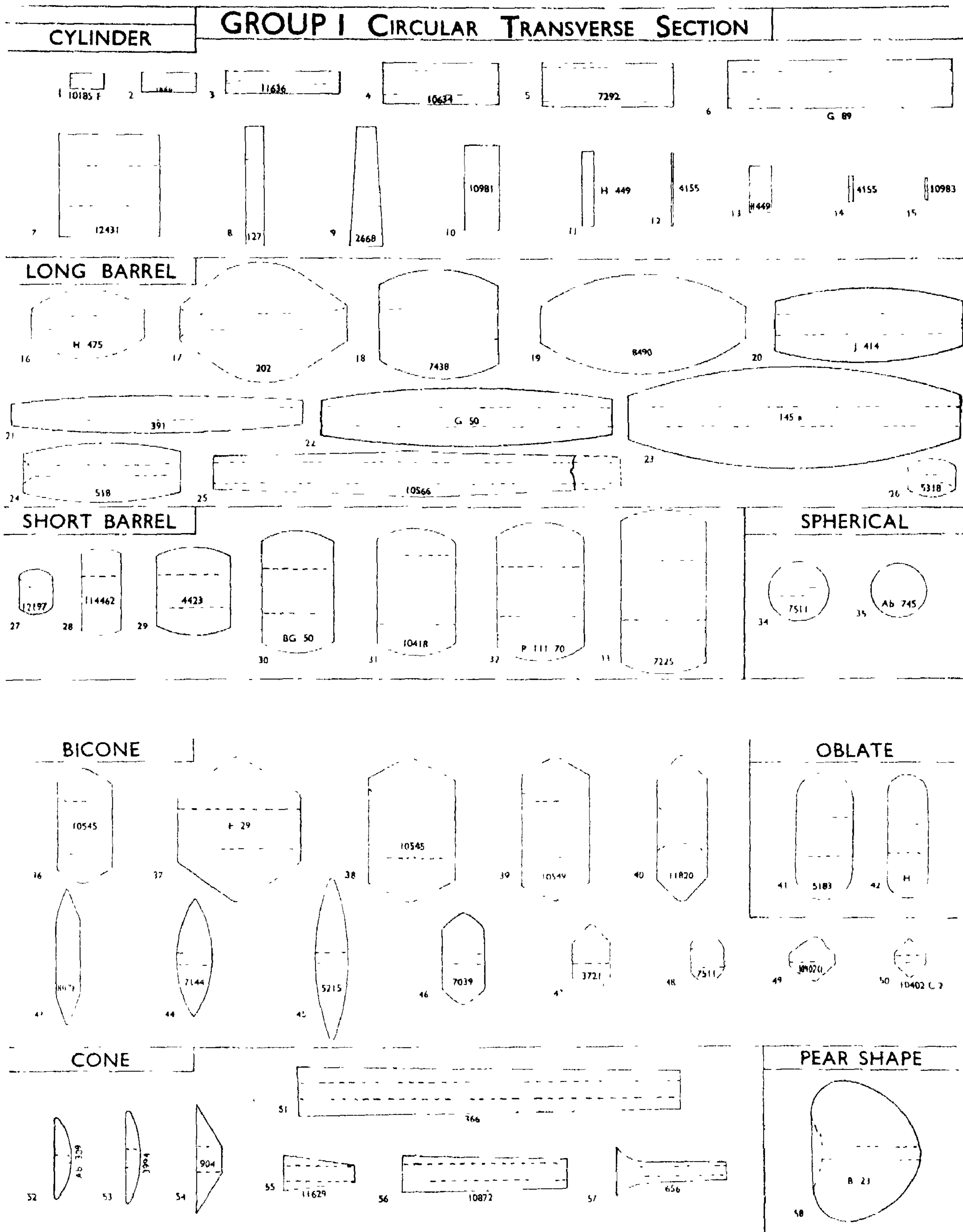


No 8.
MAGNIFICATION × 500.

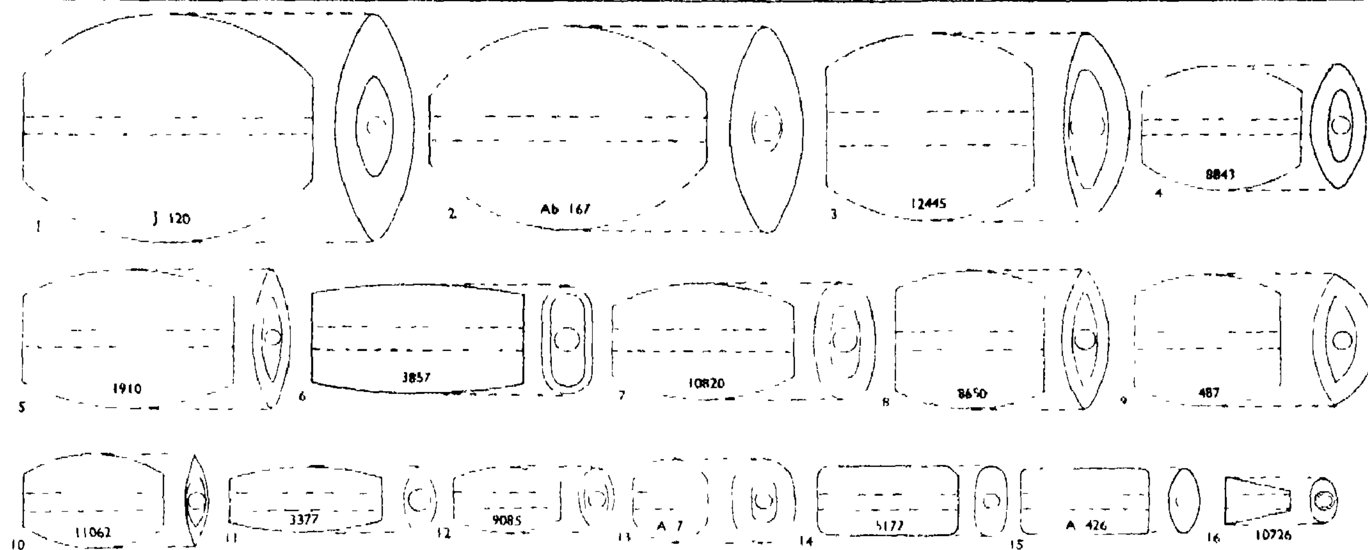
MICROPHOTOGRAPH OF SPECIMEN 277 a/21 (CELT)



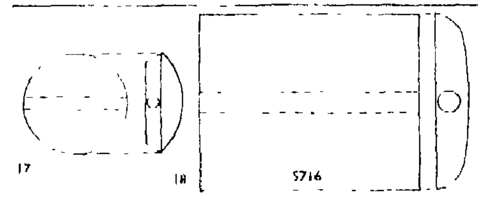
MISCELLANEOUS BEADS.


GROUP I CIRCULAR TRANSVERSE SECTION
CYLINDER
LONG BARREL
SHORT BARREL
SPHERICAL
BICONE
OBLATE
CONE
PEAR SHAPE

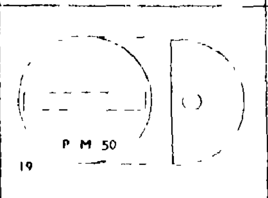
GROUPS II & IV ELLIPTICAL AND LENTICULAR



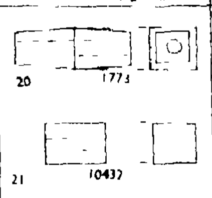
GROUP V PLANO CONVEX



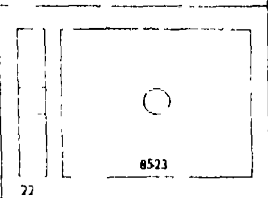
GROUP VI SEMICIRCULAR



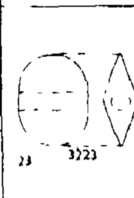
GROUP IX SQUARE



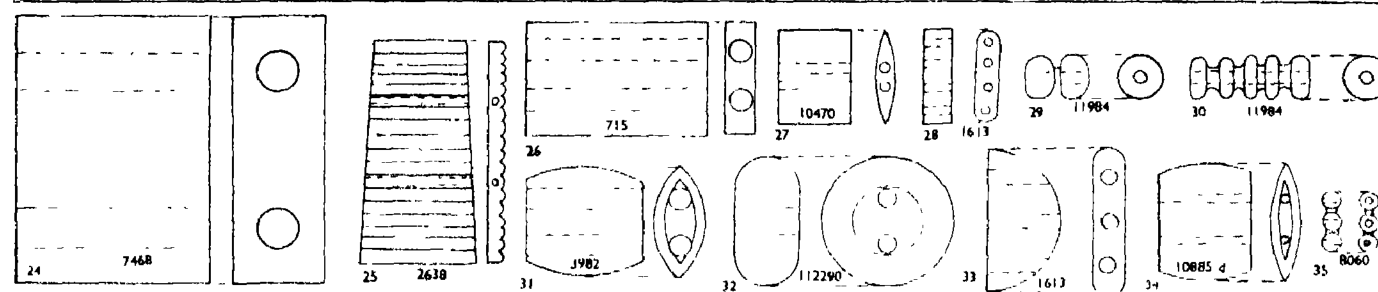
GROUP X RECTANGULAR



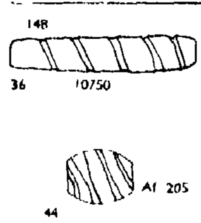
G XI DIAMOND



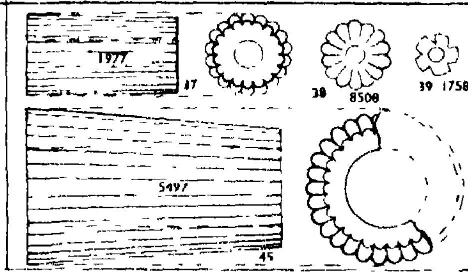
GROUP XVII MULTIPLE and SPACING



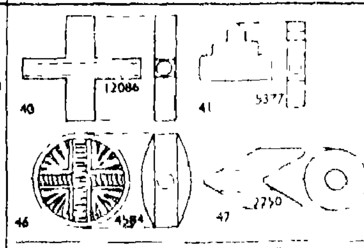
SPIRAL



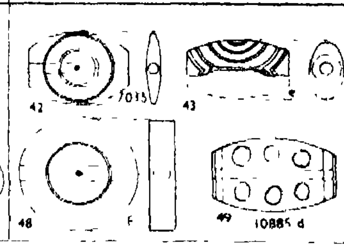
GROUP XXIII NOTCHED and GADROONED



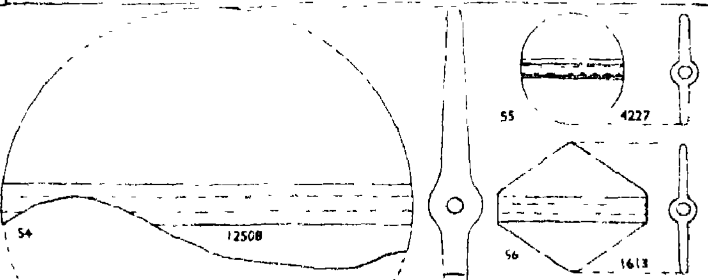
GROUP XXIX EMBLEMS CROSS STEPS



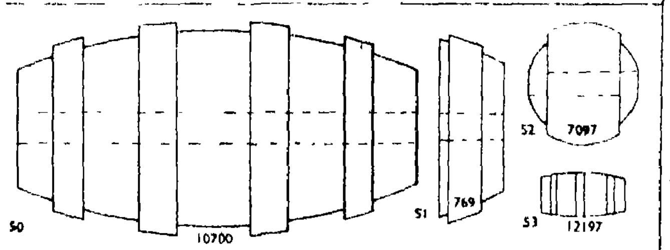
GROUP XLVI EYE BEADS



GROUP XLVIII SUNDRY-16 R



GROUP XLVII



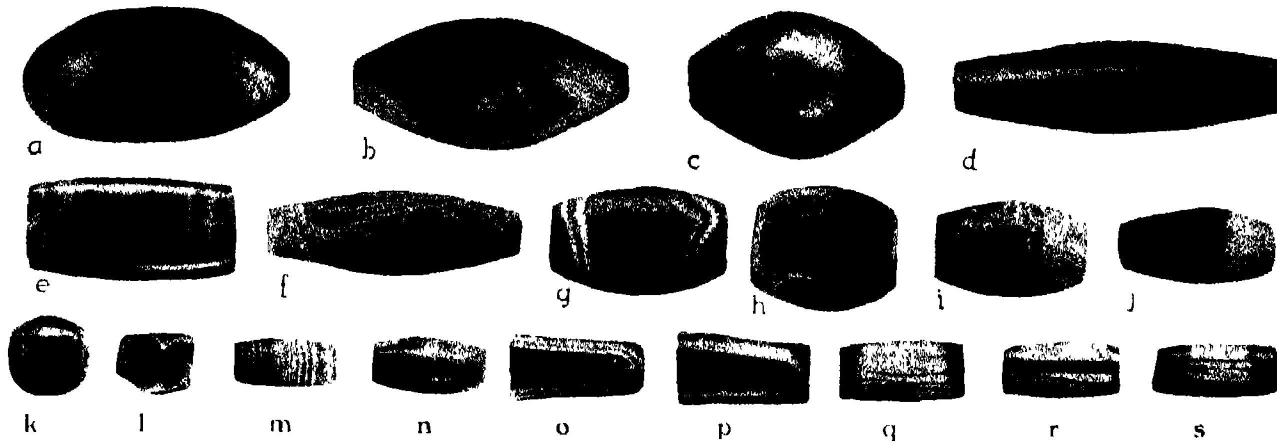


FIG. 1. BEADS OF AGATE.

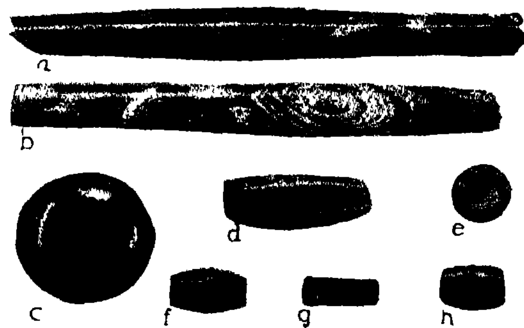


FIG. 2. BEADS OF CARNELIAN.

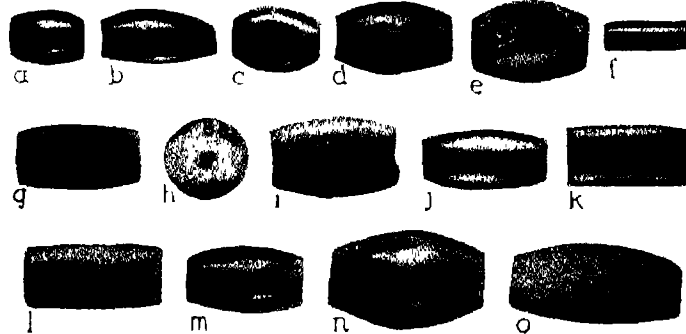


FIG. 3. BEADS OF VARIOUS SILICATE STONES. *a–f*. JASPER, *g–k*. CHERT, *l–n*. CHALCEDONY, *o*. MILKY QUARTZ.

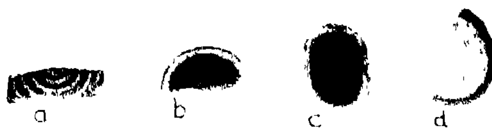


FIG. 4. ETCHED CARNELIAN BEADS.



FIG. 5.

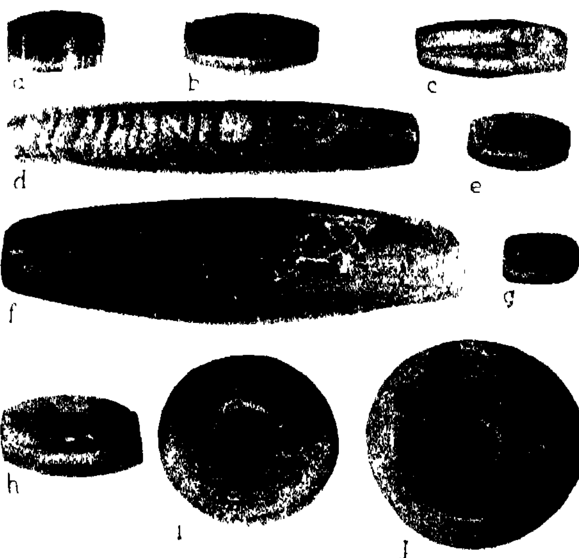


FIG. 6. BEADS OF LIMESTONE & STALAGMITE.

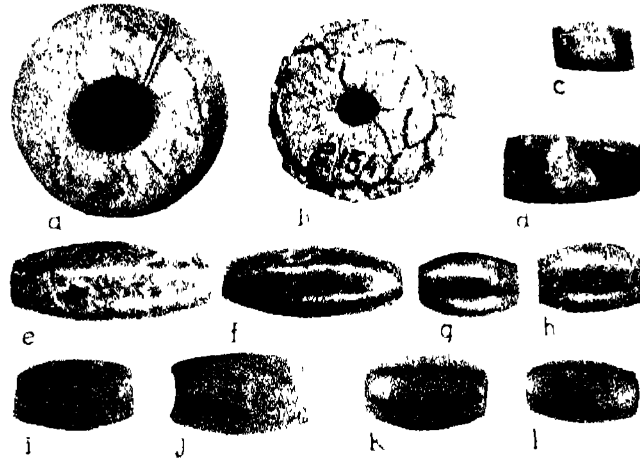


FIG. 7. BEADS OF SUNDRY STONES. *a* & *b*. MARBLE, *c*. CALCITE, *d*. HORNBLENDE, *e–g*. SERPENTINE, *h*. DIORITE, *i* & *j*. LAPIS, *k* & *l*. JADEITE.

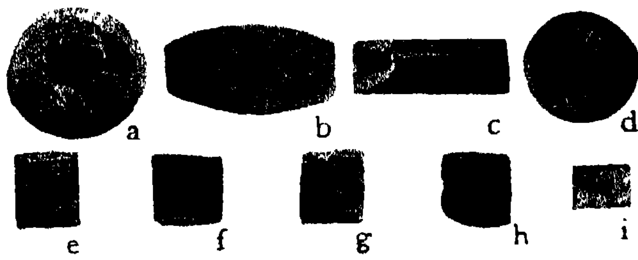


FIG. 1 BEADS OF NATURAL STEATITE

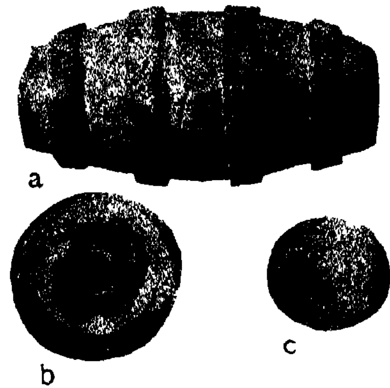


FIG. 2 ZONE BEADS OF BURNT STEATITE.

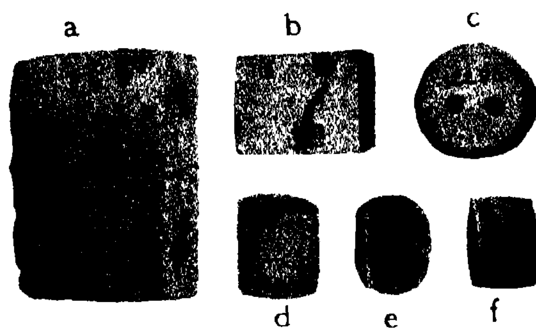


FIG. 3 SPACING BEADS OF BURNT STEATITE

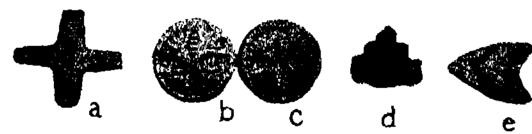


FIG. 4 CROSS, STEP & TOOTH BEADS OF BURNT STEATITE.

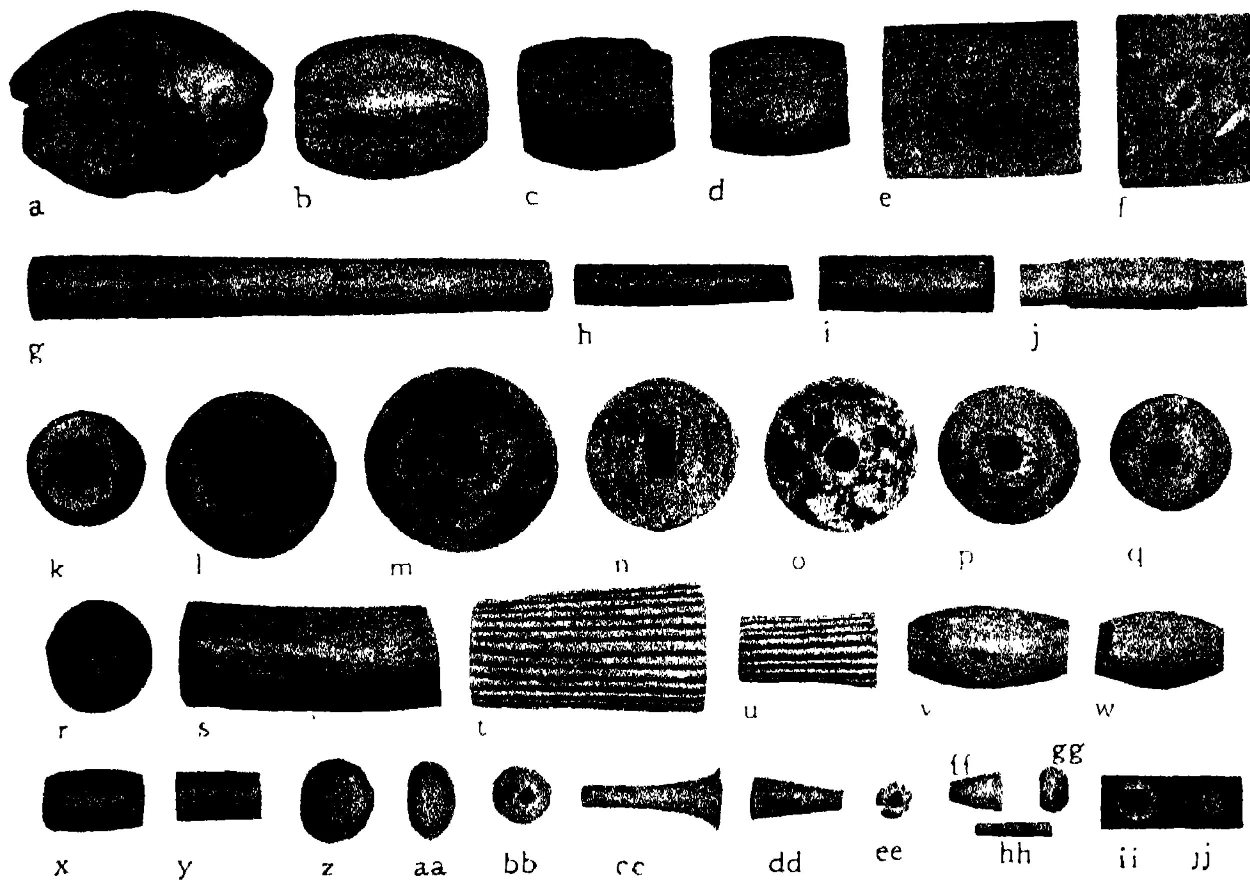


FIG. 5 BEADS OF BURNT STEATITE.

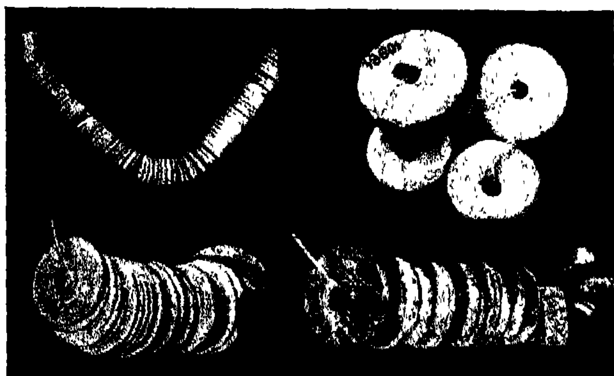


FIG. 1 DISC BEADS OF "BURNT" STEATITE.

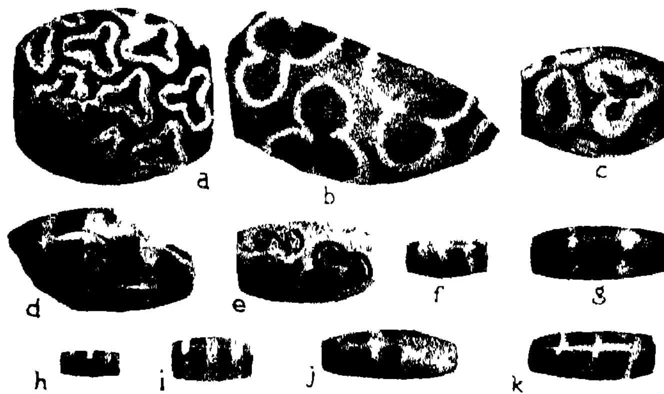


FIG. 2. PAINTED STEATITE BEADS

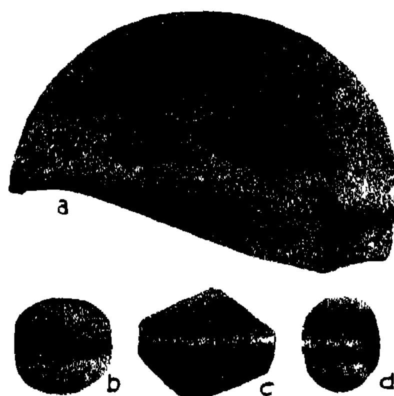


FIG. 3 FAIENCE SPACING BEADS WITH MIDDLE RIB.

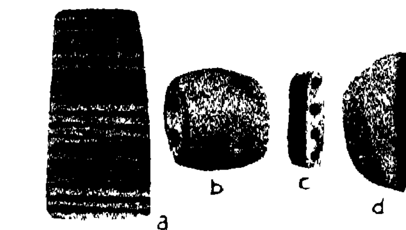


FIG. 4. FAIENCE SPACING BEADS.

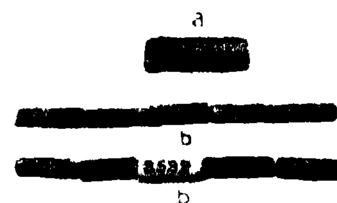


FIG. 5 BLACK FAIENCE BEADS.

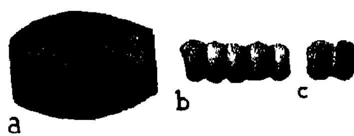


FIG. 6 WHITE FAIENCE BEADS.

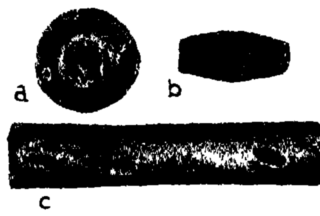


FIG. 7. YELLOW FAIENCE BEADS.

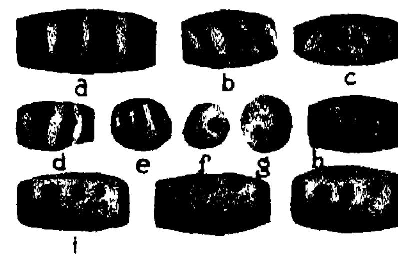


FIG 8 VARIEGATED FAIENCE BEADS.

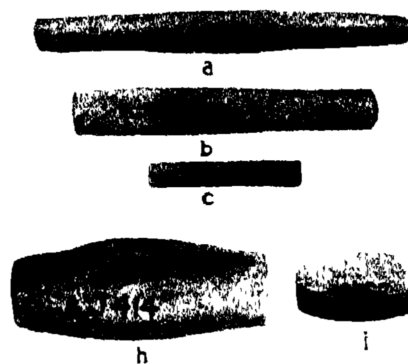


FIG. 9 FAIENCE BEADS—MOSTLY BLUE OR GREEN.

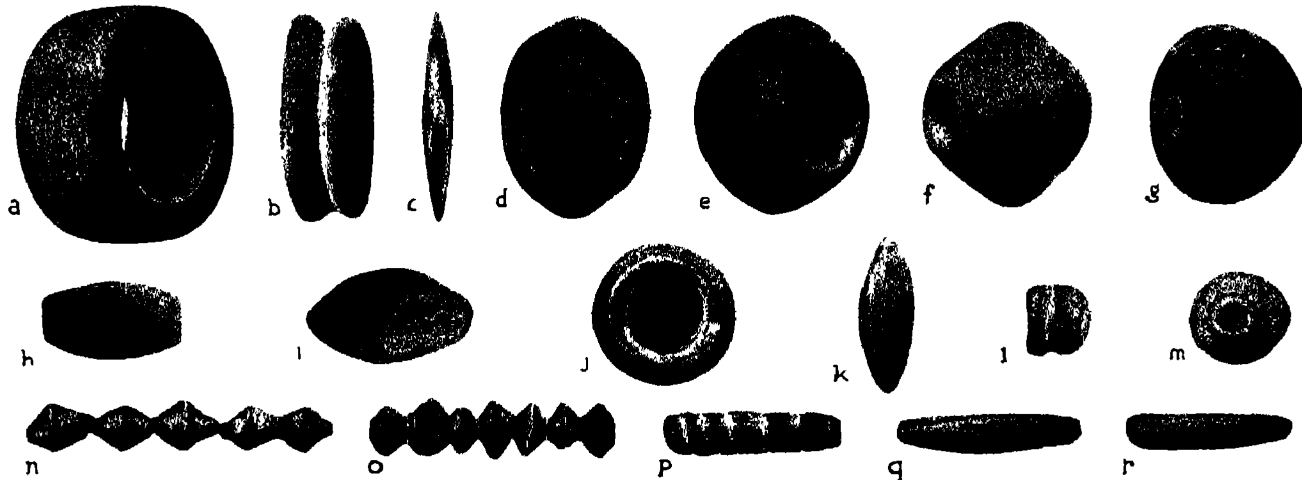


FIG. 1. BEADS OF TERRACOTTA OR POTTERY



FIG. 2 BEADS OF SHELL



FIG. 3 ZONE BEAD IVORY



FIG. 4 SHELL INLAY FROM UR

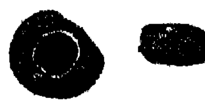


FIG. 5 COPPER BEADS



FIG. 6 SILVER BEADS

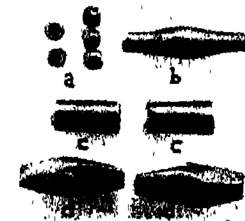


FIG. 7. GOLD BEADS.



FIG. 8 SMALL STEATITE BEADS × 4.
a, c HARAPPA
b UR

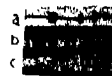


FIG. 9
× 1/1



FIG. 10. SMALL STEATITE BEADS ×4
a, c HARAPPA
b UR



FIG. 11.
×1/1

MICROPHOTOGRAPHS OF "BURNT" AND PAINTED STEATITE.

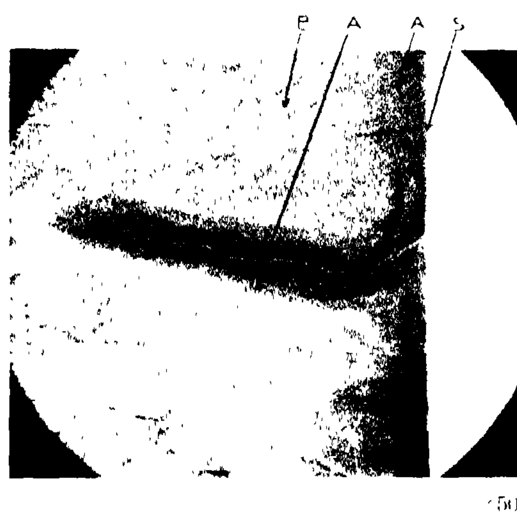


FIG. 1.
SECTION OF "BURNT" STEATITE SEAL FROM MOHENJO-DARO.

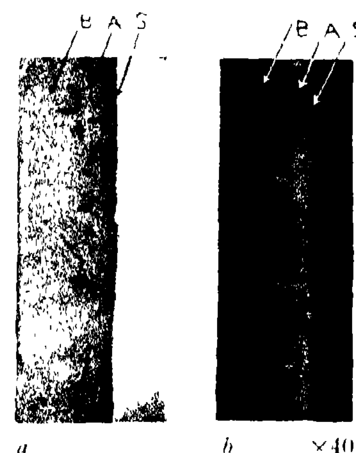


FIG. 2.
SECTION OF "BURNT" STEATITE SEAL FROM HARAPPA.

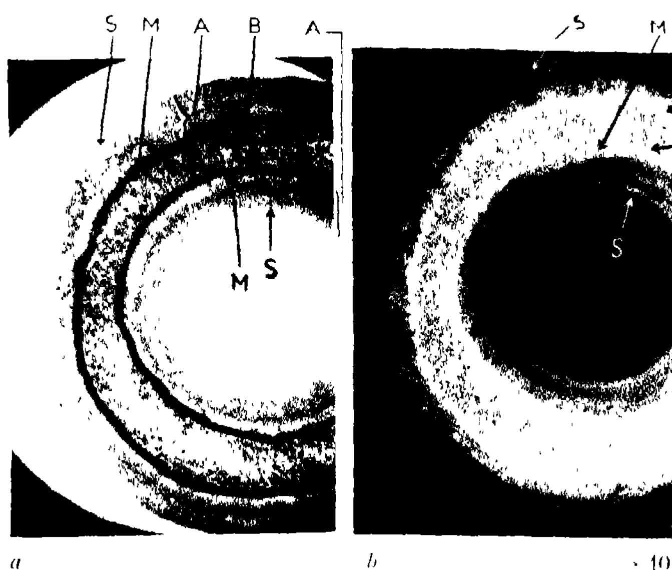


FIG. 3.
SECTION OF "BURNT" STEATITE BEAD FROM HARAPPA.

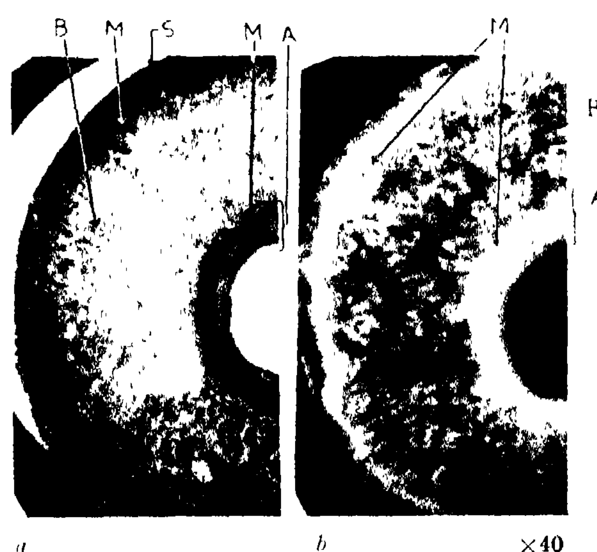


FIG. 4.
SECTION OF "BURNT" STEATITE BEAD FROM UR.

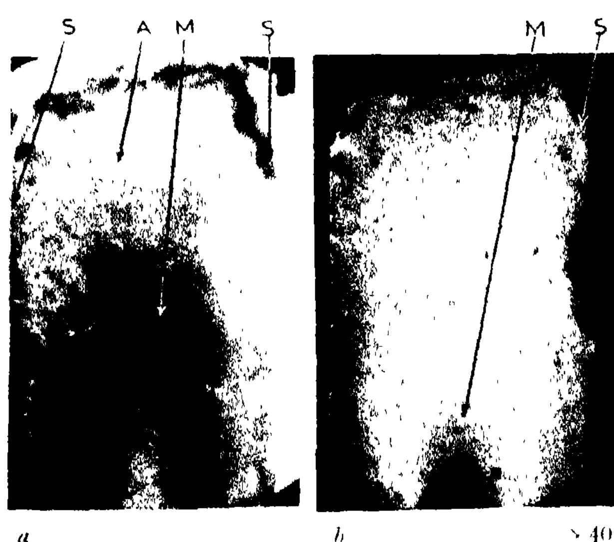


FIG. 5.
SECTION OF "BURNT" STEATITE DISC BEAD FROM HARAPPA.



FIG. 6.
SECTION OF UNUSUAL TYPE OF "BURNT" STEATITE BEAD FROM HARAPPA.

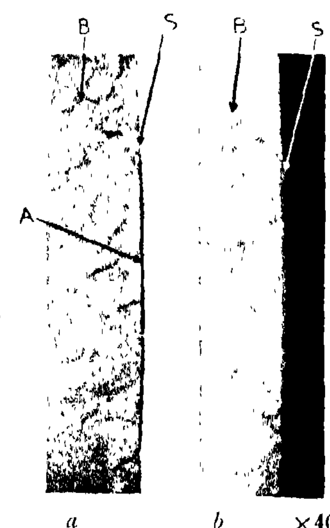
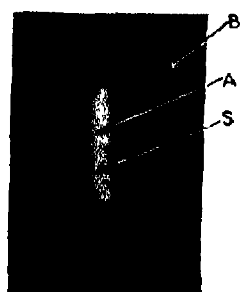


FIG. 7.
SECTION THROUGH PAINTED STEATITE BEAD FROM HARAPPA.

A = AFFECTED PORTION
B = BASE
M = AREA OF MAXIMUM EFFECT
R = REINFORCING MATERIAL.
S = SURFACE OF SPECIMEN

MICROPHOTOGRAPHS OF ETCHED CARNELIAN BEADS AND FAIENCE BEADS.



×40

FIG. 1

SECTION OF A WHITE LINE ON ETCHED CARNELIAN TYPE I. LIGHT REFLECTED FROM ABOVE.



a ×40 *b* ×40

FIG. 2

SECTION OF AN IRREGULAR WHITE LINE OF AN ETCHED CARNELIAN TYPE I.

a ORDINARY TRANSMITTED LIGHT.
b LIGHT REFLECTED FROM ABOVE.

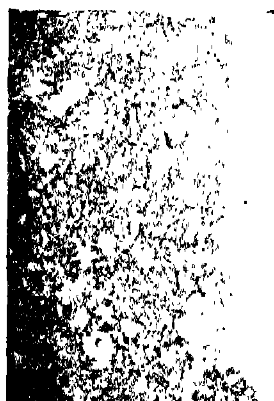
A—AFFECTED AREA. S—SURFACE OF SPECIMEN.
B—BASE. BL—BLACK LINE.



×40

FIG. 3

SECTION OF A BLACK LINE ON AN UNUSUAL FORM OF ETCHED CARNELIAN TYPE II.





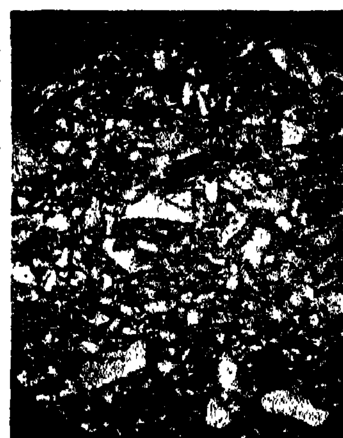
a ×40 *b* ×40

FIG. 4

SECTION OF FAIENCE ORDINARY TYPE.

a ORDINARY TRANSMITTED LIGHT.
b POLARIZED LIGHT.



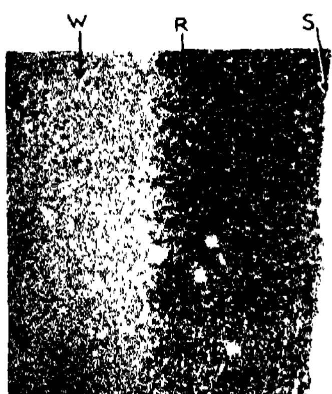


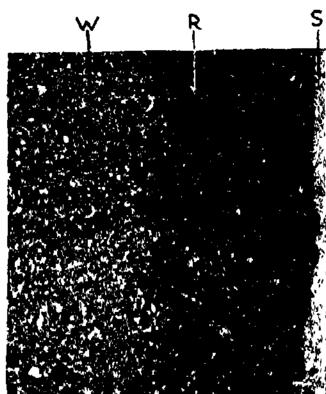
a ×40 *b* ×40

FIG. 5

SECTION OF VERY COARSE FAIENCE.

a ORDINARY TRANSMITTED LIGHT.
b POLARIZED LIGHT.





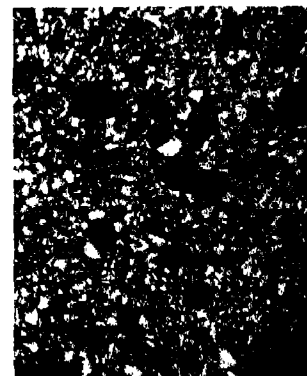
a ×40 *b* ×40

FIG. 6

SECTION OF VERY FINE VARIEGATED FAIENCE.

a. ORDINARY TRANSMITTED LIGHT.
b. POLARIZED LIGHT.



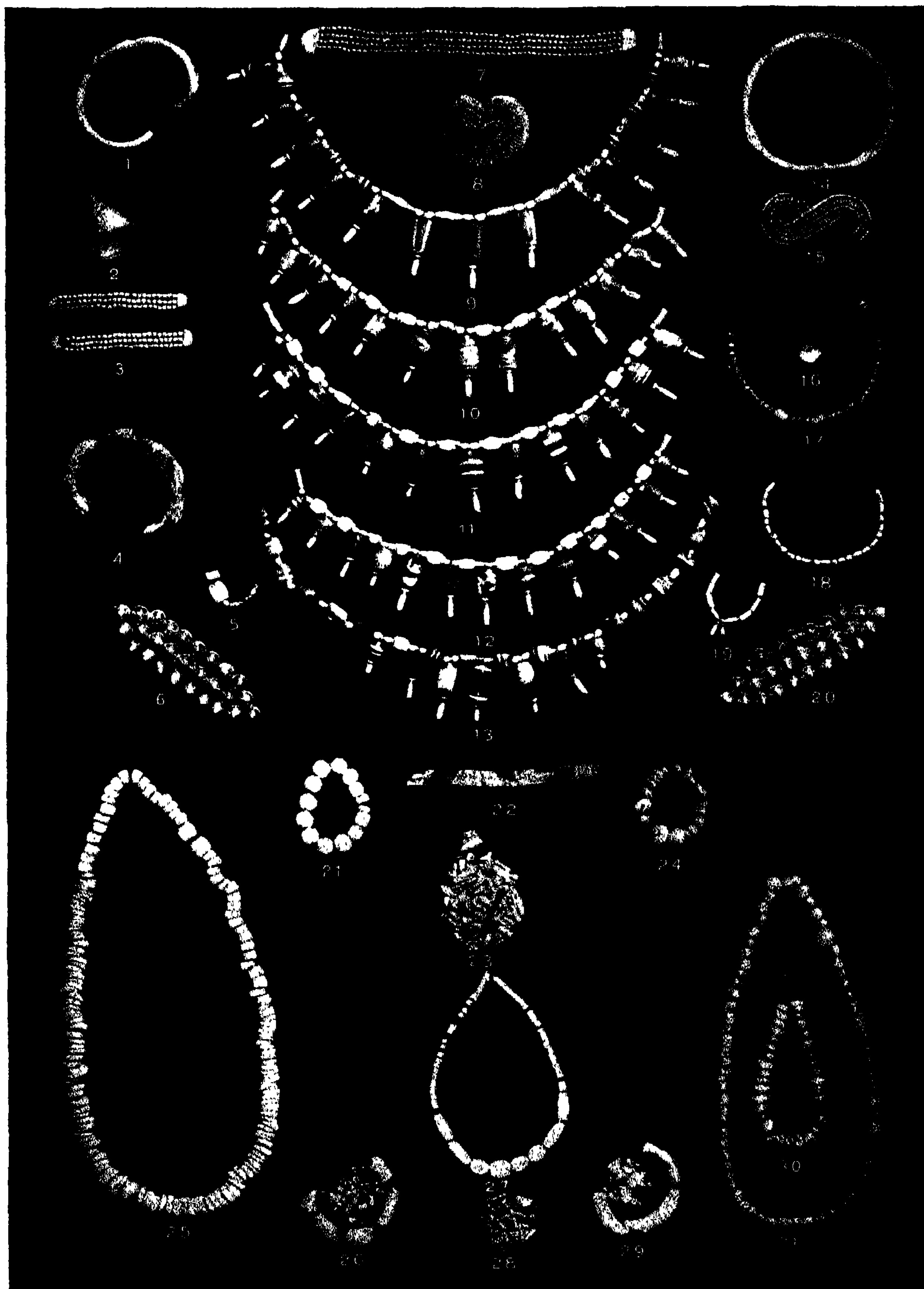


a ×40 *b* ×40

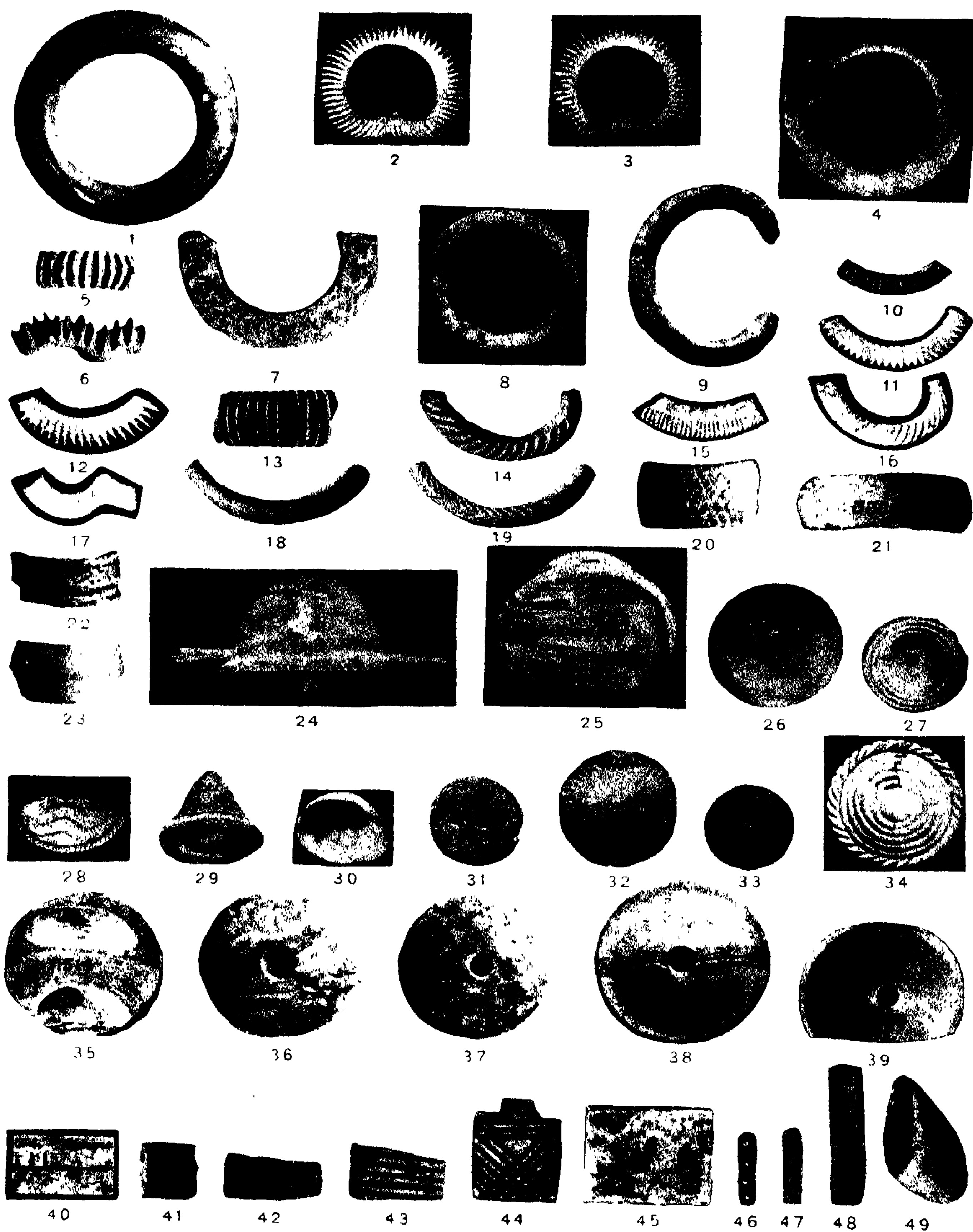
FIG. 7

SECTION OF VERY HARD FINE GRAINED FAIENCE SOMETIMES CALLED VITREOUS PASTE.

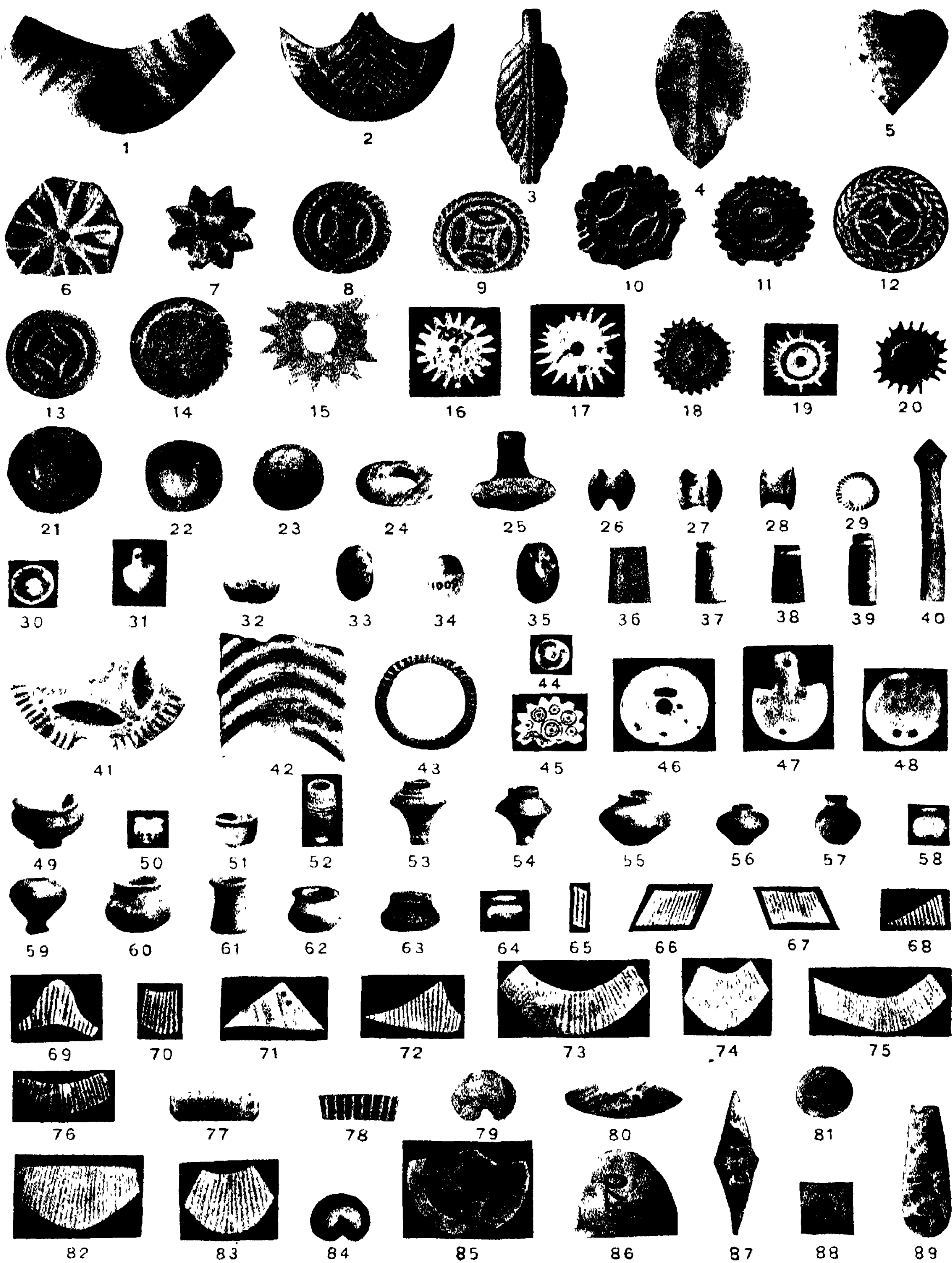
a. ORDINARY TRANSMITTED LIGHT.
b POLARIZED LIGHT.



Jewellery from House 2, Trench IV, Mound F



PERSONAL ORNAMENTS



PERSONAL ORNAMENTS, UNGUENT VASES AND INLAY OBJECTS

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